Scanning

Scanning is very high-speed reading. When you scan, you have a question in mind. You do not have to read every word to answer the questions. You also do not have to understand every word. Scanning is helpful in finding information. Practice in scanning will help you learn to skip over unimportant words so that you can read faster.

Look at the following shopping list to find out if you remembered to order bread:

shopping List milk butter ice cream bread bananas broccoli rice potatoes oranges

How many words did you read? Bread was the only word you needed to read. The other words were not important. This kind of reading is called scanning.

You usually scan: a telephone book, an index in a textbook, a list of movies in the newspaper, the ads in a newspaper, and the pages of a dictionary.

You usually do not scan: a mystery story, a textbook for an important course, important papers from a lawyer, a map for getting to a party, a question on a test.

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EXAMPLE

Scan the next page for the answers to these questions. Work as quickly as you can.

- 1. How many chapters are there in the book? _____
- 2. Which is the chapter on the computer in the classroom? _____
- 3. On what page can you read about games? _____
- 4. Which part of Chapter 3 is about having fun with computers? _____
- 5. Does this book have an index? On what page? _____

BOSTON

see, 214 Harvard Ave. 277-2140. Lost in America (R), today at 1:15, 2:55, 4:30, 6:15, 8, 9:40 p.m. Police Academy 2 (PG-13), 1:30, 3, 4:40, 6:15. 7:45, 9:20 p.m. Beacon Hill, 1 Beacon St. 723-8110 Code of Silence (R), due Fri. at 1, 3:10, 5:20, 7:30, 9:45 p.m. Nine Deaths of Ninja (R), due Fri. at 1:30, 3:30, 5:30, 7:40, 10 p.m. Mask (PG-13), today at 1, 3:15, 5:30, 7:45, 10 p.m. Police Academy 2 (PG-13), today at 1:30, 3:30, 5:30, 7:30, 9:30 p.m. Beverly Hills Cop (R), at 1:15, 3:15, 5:15, 7:30, 9:40 p.m. Charles 1-3, 185 Cambridge St. 227-1330 Perfect (R), at 1, 3:15, 5:30, 7:50, 10:10. Fletch (R), at 1, 3:30, 5:45, 8, 10:10. Lost in America (R), at 1:15, 3:15, 5:30, 8, 10 p.m. (Exception: no show tonight at 8.) Cherl, 50 Dalton St. 536-2870 Prizzi's Honor (R), due Fri. at 12:45, 3, 5:15, 7:45, 10 p.m. The Goonies (PG), at 1, 3:15, 5:30, 7:45, 10 p.m. View to Kill (PG), at 1:30, 4:30, 7:30, 10. Witness (R), today at 1, 3:15, 5:30, 10 p.m. Cinema 57, 200 Stuart St. 482-1222. Brewster's Millions (PG), at 1, 3:15, 5:30, 8, 10:20 p.m. Rambo (R), at 12:45, 3, 5:15, 7:45, 10 p.m Copiey Place, 100 Huntington Ave. 266-1300. Following films have no morning showings on Sunday: Witness (R), due Fri. at 10 a.m., noon, 2:40, 5, 7:30, 10 p.m. Secret Places (PG), today at 10 a.m., 12:15, 2:30, 5, 7:30, 9:50 p.m. Where's Picone?, at 10:30 a.m., 12:45, 3, 5:15, 7:50 10:10 p.m. Lily in Love (PG-13), at 10 a.m., noon, 2, 4, 6, 8:10, 10:10 p.m. Allonsanfan, at 10:30 a.m., 12:45, 3, 5:30, 7:50, 10:10 p.m. Streetwise, at 10:30 a.m., 12:45, 3, 5:15, 7:30, Gods Must Be Crazy (PG), today at 10:30 a.m., 12:50, 3:15, 5:30, 7:45, 10 p.m. Carnile, at 10:30 a.m., 12:40, 3, 5:15, 7:45, 10 p.m. Purple Rose of Cairo (PG), at 10:10 a.m., 12:10, 2:10, 4:10, 6:10, 8:10, 10:10 p.m. Amadeus (PG), at 10:15 a.m., 1:15, 4:15, 7:20, 10:10 p.m. Nickelodeon Cinemas, 606 Commonwealth Ave. 424-1500 Wild Duck (PG), today at 1, 2:45, 4:30, 6:15, 8:10, 10 p.m. My First Wife, today at 1:20, 3:20, 5:20, 7:50, 9:55 p.m. Pumping Iron II, today at 1:15, 3:25, 5:40, 7:50, 10 p.m. Desperately Seeking Susan (PG-13), today at 1:30, 3:30, 5:45, 8, 10:10 p.m. Private Function (R), today at 1:10, 3:15, 5:30, 7:45, 9:45 p.m. Pl Alley, 237 Washington St. 227-6676 D.A.R.Y.L. (PG), due Fri. at 1, 3:15, 5:30, 7:40. 9.45 p.m. Secret Admirer (R) due Fri. at 1:30, 3:30, 5:30, 7:30, 9:30 p.m. Code of Silence (R), today at 1, 3:20, 5:30, 7:50. 10:15 p.m. Nine Deaths of Ninja (R), today at 1:30, 3:30, 5:30, 7:40, 10 p.m. mas, 547 VFW Pkwy, West Roxbury. Village Cine 325-0303. Police Academy 2 (PG-13), today at 7:15, 9 p.m. Falcon and Snowman (R), Fri.-Sat. at 7, 9:15 p.m.; Sun-Thurs, at 7:30 p.m.

Exercise 2 GOING TO THE MOVIES

Starting time _____

Look for the answers to these questions on the next page. Try to find the answers as quickly as possible. Ask your teacher or another student to time you. Write down exactly how many seconds it takes you to complete the page. (Hint: The movie theaters are in alphabetical order.)

1.	What movies are playing at the Pi Alley movie house?
2.	What is the address of the Beacon Hill Cinema?
3.	What is the phone number of the Cheri Cinema?
4.	How many movies are showing at the Allston Cinema?
5.	What can I see at 9 p.m. today at the Village Cinemas?
6.	Is there a show Sunday morning at the Copley Place?
7.	Which theater is showing the most movies?
8.	What is the name of the cinema on Stuart Street?
9.	What movie is playing at the cinema in West Roxbury on Sunday?
0.	Where can I go to see "Police Academy 2"?
1.	When can I see "Secret Admirer"?
2.	Can I see "Mask" in the morning?

Exercise 3 LOOKING FOR AN APARTMENT

Look for the answers to these questions on the next page. Try to find the answers as quickly as possible. Ask your teacher or another student to time you. (Hint: The cities are in alphabetical order.)

Star	ting time
1.	Are there any apartments for rent in Maynard?
2.	How much is the cheapest apartment in Brockton?
3.	Whom do I call about an apartment in Canton?
4.	I want to live in Brighton near public transportation. Is there anything for me?
5.	Can I have a cat at the Lakeside Village apartment in Easton?
6.	Is there parking near the apartment in Revere?
7.	I want a three bedroom apartment. (3 bdrm) Where can I find one? (At least 3 towns)
8.	What is the phone number for the Crane Realty?
9.	Where is the apartment with the highest rent?
10.	Where is the apartment with the lowest rent?
11.	What is the rent for a studio (stu) in Somerville?
12.	What is the rent for a studio near the beach in Lynn?

- BRIGHTON, Spac. 2 bdrm., full kit., din. area, \$460; Charming, clean 1 bdrm., secure bldg. \$435; Spec. lux. studio, full kit., a.c., w86, \$400; Lge. clean & sunny 3 bdrm., mod. k&b. \$500, 878-5522
- BRIGHTON, Houses/Bidgs, 1 rm, house, yd. \$350 +; sunny 1 bd., big kit, yd., \$360 +; oharm, 4 rms, prkg., yd., \$500 +; 3 bd., prkg., \$650 +; 5 rm, condo, in gd. cond. prkg., \$850. LORD REALTY 652-1122
- BRIGHTON, Sunny studio, freeh paint, laund. \$350; Charm. 1½ bed in house. 3550 all utils, Spac. 2 bed in resid. area. mod. k&b, porch, laund., pkg. \$625. DOWNTOWN R.E. 521-0021
- BRIGHTON, Allston, BU. Stu. \$325; 1 bd. \$395, 2 bd. \$500, 3 bd. \$660, 485 bd. + more, now & 9/1, 341-6003.
- BRIGHTON, Brookline, unique find, mod. 2 BR, ww. a/c, d&d, avail. 5/1, \$625, R.E., (617) 641-2019 or (603) 487-5558.
- BRIGHTON, Near transportation. Extra lge. studio. Clean bldg. Good owner, \$290 hm. Call 741-8800.
- BRIGHTON, Off Comm. Lg. newly painted, 1 bed, clean secure bidg. \$380 heated. Call 375-2323.
- BRIGHTON, Brand new, 1 bed in house, d&d, yd. \$450. R.E. 452-0667
- BRIGHTON, Cozy 1 bedrm., with mod. K&B, Indry. & prkg., \$365, 962-5431.
- BRIGHTON, studios, 1 brs., 2 brs., 3 brs. Mod. K&B. Prices vary. R.E. 331-5876.
- BRIGHTON, 3 BR in house, mod. kit, tile bath, ig BR's \$795, unht. R.E. 286-3152.
- BRIGHTON Gorgeous 2 BR in hise, lg LR, kit, pkg., now! \$550 unht. R.E. 276-7432.
- BROCKTON, Cak Park. Lg. mod. apts. wiD&D, heat, carpeting, bakc., walk-in closet, pool, sauna, clubhouse, tennis court. Convenient to public transpt. & shop/g. 1 BR, \$475, 2 BR's, \$535-\$580. Equal Hous. Opply. See our display ad Sun. ESSEX REALTY 598-8440.
- BROCKTON, Oak Green Apts. on Stoughton line. Mod. apts. w/D&D, carpeting, prkg. & pool. Shudio \$410, 1 BR, \$470, 2 BR, \$560. Rent includes heat, h.w. & cooking as. Equal Housing Oppty. See our display ad Sun. ESSEX REALTY 598-8440.
- BROCKTON, lux. 1-2 BR, d&d, a/c, crptd., pool, tennis, incl. free heat, no pets. \$379-\$495. 876-2091.
- BACOKLINE, Boston line, clean Ige. studio, \$380; 1 bdrm., hi ceils., h/w firs., leaded glass winds., mod. K&B, \$500, penthouse, 2 bdrm., w.w. mod. k&b, balc., frol. \$685. Others.
 - PARK CIRCLE R.E. 322-5550
- BROCKLINE, Cool. Crnr., sunny 1 BR, trpl. \$660. Village 1 BR, widen, \$725. CORNER REALTY 662-1120

- BROOKLINE, 6 rm. 3 BR re-mod. k&b, redec. por. pkg. \$795 unh. R.E. 776-1461
- BROOKLINE (VII.), 2 bd. in 3 fam., remod. \$625/unhtid. R.E. 542-3200.
- BURLINGTON, Ideal locale, neighboring mail and major routes, spac. 1 & 2 bdrm. apts., tennis, pool & more. Model coen Mon. Fr. 9-5, Sat. & Sun. 10-4. SIR WINDSCR APTS. 756-6422.
- CAMBRIDGE, Som. line 2 bdmr. lux. apt. in new brick bldg, ww crptg., c.t. bath, all elec. kit., batc. & assigned prkg. \$625. incl. ht. Call Bonnie 355-4400 or 438-4400.
- CAMBRIDGE, Shepard St., spac. 4 rms.-1 BR, ig. closets, porch. Ht. h/w, prkg. no fee. \$684 5/1 341-8003.
- CANTON, 2 br., eat-in kit., sunny, ww. rooldk, priv. yd nr. shop. & trans., \$575. May 1, call Susan 792-5670 or Mrs. Young 265-4147.
- CHARLESTOWN, Bunker Hill St. nr. MDC pool, 1 BD htd., \$425, 256-8622, aft. 5
- CHARLESTOWN, Conterno. 1 BR condo, refin. firs \$450, R.E. 755-9219.
- CHELMSFORD, Lowell line, nr. Rtss 3 & 128 Lrg. 2 BRS, from \$470 incl. utils, ac, ww. d&d, 745-5420.
- CHELSEA, Lux. 1 & 2 BR apts.; nr. T, d&d, rf. deck, htd. \$390-\$450. 465-2881.
- CONCORD Gm, 3 BR town-hee, pool, tennis, watervu, \$1050 htd. 532-0591, 7 pm.
- DANVERS, Mod. apis., nr. beach & bay wicrpt., eat-in kit., prkg, heated. Studio, \$355; 2 BR, \$465. No lee. Equal Hous. Opply. See our display ad Sun. ESSEX REALTY 598-8440.
- DORCHESTER, At Ashmont, nr. Carney, Studios \$310-\$350. 1 BR, \$385-\$400. 2 BR, \$475-\$500, btd. 983-4257.
- DORCHESTER, 4 bdrm. wheat in So. Boston style ng/bbd. Section 8 ok. \$550/mo. Also mod. 1 BR \$340 + utils. 983-5248.
- DORCHESTER, So. Boston. New remod. 1 & 2 bd/m. apts. \$360-\$375. 1st, last & fee. 983-7330.
- EASTON. Lakeside Village. Unique 1 & 2 bdm. spacious townhouses. Just 30 minutes from Boston, convenient bus service available. Spectacular sports complex, private backyard. Small pets allowed & owner managed. Reasonable. 822-1186.
- EASTON, 1 & 2 br. condos avail. Pool & tennis courts. Some with garages. Starting at \$475 mo. Some include utilies. KINGSLEY PROPERTIES. 832-9501.
- EAST BOSTON, 2 bdrm. condo, glass rm. å deck, overlooking harbor å skyline, all new, wåd, dåd, å disposal, ww crpt, \$600 mo. Call Ed 754-0482.
- EAST BOSTON, 5 ms., 3 br. lig. kit. new bath, rehabed, \$525, no utils., section 8 ok., 754-2361.
- EAST BOSTON, 6 modern rooms, 2nd floor, Call 755-6016.

- LYNN, Newly decor, studio & \$ bd/m apts, with ocean views. Flents from \$350 inclu. ht, hw. stove, refing., W/W, new kitchens & baths, 954-987%
- LYNN, Nahant line, steps to ocean, studio thru 2 br. mod. htd. apts. Some with all utils. From \$275, NSP R.E. 964-4121.
- LYNN, Ultra mod. ocean front stu. & 1 bdrm. apt. incl. new kit. & bathrm., w.w. crpts... many extras. \$410-\$675. 965-8653.
- LYNN, Steps from beach, Completely renov. 1 bdrms. \$325-\$400. Studios \$295. ht, hw, 1 hr. lease, HALL R.E 964-0005.
- LYNN, Studio, 1 & 2 BR apts. in beach area. Rents from \$325 inclu. ht., hw, stove & refrig. 955-6887.
- LYNN, 1 & 2 bdrm., newly remodeled starting at \$325. Call 954-6217
- MALDEN, Huxley Estates. Beautiful 11/s bd/m., w.w., mod. kit., ht., h.w., A/C, parking, pool, walk to T. No pets please Avail 6/1, 644-2281, M-F 9-S, Sun 1-5
- MALDEN, Immac. 4 rms, 1 bdrm, nice loc. \$106 unhtd. Raidwin R E. 644-7562
- MALDEN, Lux. 1 bdrm, apt. prkg., a/c, w/w, \$425 unhtd. 644-8026.
- MALDEN, 3 rms., nr. T., ht. & htw, \$400. evail. 6/1. Call 644-5137, after 6 p.m.
- MALDEN, 216 Rms., mod. kit., gd. loc. Avail. immed. \$375. htd., Call 644-2053.
- MATTAPAN, Mod. 2 BR, alc, ww. \$475-\$550. Hidlunhid. 288-5001.
- MAYNARD, Immac. 2 br., lg. eat in kit., fully appl., w.w., \$550 +, 781-5662.
- MEDFORD, conven. loc., nr. Tufts, prkg. ldry. 2 BR, \$425. No fee. 568-0028.
- NASHUA or Salem N.H. Ocean Viflage Apts, are offering 1-2 botm. Garotin apts. Which feat. totally equipped kit, color coordinated bath, www, alc, pool & tennis. 1 botm. from \$475, 2 botm, from \$525. Also has 3 botm. Townhouses avail. Sec. dep & last mos. rent are not repd. for credit worthy applicants. Loc. on exit 1 on Rte 3 in Nashua, 683-812-2330.
- NASHUA, N.H. Barbary Apts. Easy drive north or south, 2 min. Rt. 3. Lux. units start at \$460. Incl. Nt. 8 gas. Days spansings.
- NEEDHAM, mod. apts. avail. 1 & 2 bd/m. Rents \$495 to \$825 + utils. Call 453-2986. Mon.-Fri. 9-5.
- NEWTON, Lux. 1 bdrm. site, \$850 wiall amerities, pool, tennis, prkg, heat, h.w., on MBTA. No pets. Rental fee - \$200. For Info. 256-5488.
- NEWTON, Lg. sunny 2 m. stu, mod. k&b, alc, ldry, pkg. \$425. R.E. 256-9753.
- NEWTON, 5/1, Ig. sunny 2 BR in bldg. nr. T, Hwd. firs, Hld. \$695. Own. 256-0011.
- NEWTON, 1-2-3 br., various prices. Also Watham, BARRY R.E. 255-9908.
- NEWTON, 4-3-2-1 brs, stu., hses., etc. \$250 up. R.E. 256-9775.

- NEWTON, 6/1. Modern studio apt. Heated \$395. Owner #55-8037
- REVERE, Studio in newly renovated building. Heat. Parking. Near T 455-7241.
- SALEM, N.H., Spac. Studio; 1 & 2 bdrm. apts, write & many amenties. Loc. off 93, exit 1, 683-512-4682.
- SOMERVILLE, Camb line. New lux. aprs. 1 bdrm. \$490; 2 bdrms, \$680. ht, ww. balc, prkg., no fee, no pets. 566-2991
- SOMERVILLE, Mod., clean 1 & 2 bedrm apts. ht & hw incl. No lease, no pets. \$375-\$800. 566-9465.
- SOMERVILLE, sunny 4 rms.-1BR, closed porch, new kit., ht & hw, \$500. No tee. 6/1. 565-0067.
- SOMERVILLE, Immac. 2 Bdrm., mod. k&b. Winter Hill area, \$400 unhtd.
- SOMERVILLE, studio, separate kit., ig. clsts, ht. h/w, \$360 no fee. 566-3025.
- SOMERVILLE, Stu, \$300 ht. 4 rm. \$390-\$475 ht. 5-6 rm. \$425-\$600.
- SOMERVILLE, Lge. mod. \$ bdrm., d&d, w/w, a/c, ba/c, \$490 htd. 565-9116.
- SOMERVILLE, Dunham Circle area, 1 bdrm., \$425 unhtd. Samuels R.E.
- SO. BOSTON, Dorchester Heights, 3rd fir., sunny. 1 BR, \$350 unhitd., call Deb 372-5422.
- STONEHAM, lux. Main Street Apts. Sunny 2 bdrm., fully appl. kit., w.w., A/C, ht., h.w., pool, tennis, balcony. No pets please. Avail. 5/1. Close to 93 & 128. Call 758-2966. M-F 9-5: Sun 1-5
- STONEHAM, Converted Vict. nr. Ctr., prkg. 1 BR. \$375. No fee. 758-5019.
- WALPOLE, unique 1 & 2 br. units in renov. historical landmark. All new interior features oversized firm., din. area, fully applianced kit. widesigner cabs., ample closet & storage space. Immed. & future occup. From \$500 mo. + utilis. ideal for commuters. Model open 7 days 11 am-5 pm, eves. by appt. Direc. Rts. 1 to Rts. 27 West. KINGSLEY PROPERTIES 839,9601.
- WALTHAM, West, 4 mr, 2 bdrm. apt. Pkg. nr. transp. \$350 plus utils., no fee. PROPER REALTY. 885-2184.
- WALTHAM, 1 br. apt., also 1-2-3 br. apts. condos, house rentals, \$250-\$700 885-4220
- WALTHAM, 4-3-2-1 brs., studios, hses. twinhses, etc. \$225 up. Also Wai. Newt. Bail vic. R.E. 885-1629.
- WALTHAM, 4 m. apt., mod. k&b, nr. pub trans., prkg. for 2-cars \$600. 885-5205
- WALTHAM, in hee. Lg. ultra mod. 2 rm. studio, d&d, w/w, \$380 htd. 885-8533.
- WALTHAM, Conv. loc., pkg., ldry. fac. mod. 2 BR trpl. \$525. No fee. 885-2040
- WATERTOWN & vic., 2 BR apt. \$800. 3 BR apt. \$750. Conv. to public trans. CRANE REALTY 914-2811

Table of Atomic Weights*

Element	Symbol	Atomic number	Atomic weight	Element	Symbol	Atomic number	Atomic weight
Actinium	Ac	89	(277)	Mercury	Hg	80	200.59
Aluminum	Al	13	26.9815	Molybdenum	Mo	42	95.94
Americium	Am	95	(243)	Neodymium	Nd	60	144.24
Antimony	Sb	51	121.75	Neon	Ne	10	20.179
Argon	Ar	18	39.948	Neptunium	Np	93	237.0482
Arsenic	As	33	74.9216	Nickel	Ni	28	58.71
Astatine	At	85	(210)	Niobium	Nb	41	92.9064
Barium	Ba	56	137.34	Nitrogen	N	7	14.0067
Berkelium	Bk	97	(249)	Nobelium	No	102	(254)
Beryllium	Be	4	9.01218	Osmium	Os	76	190.2
Bismuth	Bi	83	208.9806	Oxygen	0	8	15.9994
Boron	В	5	10.81	Palladium	Pd	46	106.4
Bromine	Br	35	79.904	Phosphorous	P	15	30.9738
Cadmium	Cd	48	112.40	Platinum	Pt	78	195.09
Calcium	Ca	20	40.08	Plutonium	Pu	94	(242)
Californium	Cf	98	(251)	Polonium	Po	84	(210)
Carbon	C	6	12.011	Potassium	ĸ	19	39.102
Cerium	Ce	58	140.12	Praseodymium		59	140.9077
Cesium	Cs	55	132.9055	Promethium	Pm	61	(145)
Chlorine	CI	17	35.453	Protactinium	Pa	91	231.0359
Chromium	Cr	24	51.996	Radium	Ra	88	226.0254
Cobalt	Co	27	58.9332	Radon	Rn	86	(222)
	Cu	29	63.546			75	186.2
Copper Curium	Cm	96	(247)	Rhenium	Re	45	
		66	162.50	Rhodium	Rh	101575	102.9055
Dysprosium Einsteinium	Dy	99	(254)	Rubidium	Rb	37	85.4678 101.07
Erbium	Es Er	68	167.26	Ruthenium	Ru	44	
120 CO 10 CO				Samarium	Sm	62	150.4
Europium	Eu	63	151.96	Scandium	Sc	21	44.9559
Fermium	Fm	100	(253)	Selenium	Se	34	78.96
Fluorine	F	9	8.9984	Silicon	Si	14	28.086
Francium	Fr	87	(223)	Silver	Ag	47	107.868
Gadolinium	Gd	64	157.25	Sodium	Na	11	22.9898
Gallium	Ga	31	69.72	Strontium	Sr	38	87.62
Germanium	Ge	32	72.59	Sulfur	S	16	32.06
Gold	Au	79	196.9665	Tantalum	Ta	73	180.9479
Hafnium	Hf	72	178.49	Technetium	Tc	43	98.9062
Helium	He	2	4.00260	Tellurium	Te	52	127.60
Holmium	Но	67	164.9303	Terbium	Tb	65	158.9254
Hydrogen	н	1	1.0080	Thallium	TI	81	204.37
Indium	In	49	114.82	Thorium	Th	90	232.0381
lodine	1	53	126.9045	Thulium	Tm	69	168.9342
Iridium	Ir	77	192.22	Tin	Sn	50	118.69
Iron	Fe	26	55.847	Titanium	Ti	22	47.90
Krypton	Kr	36	83.80	Tungsten	W	74	183.85
Lanthanum	La	57	128.9055	Uranium	U	92	238.029
Lawrencium	Lr	103	(257)	Vanadium	V	23	50.9414
Lead	Pb	82	207.2	Xenon	Xe	54	131.30
Lithium	Li	3	6.941	Ytterbium	Yb	70	173.04
Lutetium	Lu	71	174.97	Yttrium	Y	39	88.9059
Magnesium	Mg	12	24.305	Zinc	Zn	30	65.37
Manganese	Mn	25	54.9380	Zirconium	Zr	40	91.22
Mendelevium	Md	101	(256)				100

^{*}Based on atomic weight of carbon-12 = 12.0000. Numbers in parentheses are mass numbers of most stable isotopes.

Scanning tables

exercise 4

In this exercise, you will scan the Table of Atomic Weights. Read each question. Then scan the table on the right to locate the information. Work quickly!

- 1. What are the four kinds of information given in this table?
- 2. What is the symbol for Iron?
- 3. What is the atomic number for Tin?
- 4. Which has a higher atomic weight, Zinc or Lead?
- 5. What is the atomic weight of Hydrogen?
- 6. Which has a higher atomic number, Phosphorus or Chlorine?
- 7. What is the symbol for Silicon?
- 8. Which has a higher atomic weight, Gold or Platinum?
- 9. Which element has the highest atomic weight?
- 10. Find an element which was probably named for a scientist.

Check your answers with another student.

Write three more questions about this table. Working with your partner, ask questions of each other. Work as fast as you can.

1.

2.

3.

Paperback Best Sellers

Fic	tion Weeks or	List	Nonfiction Weeks on	List
1	ALL AROUND THE TOWN, by Mary Higgins Clark (Pocket,\$6.50.) A college student is accused of murdering her professor.	2	THE AUTOBIOGRAPHY OF MALCOLM X, with the assistance of Alex Haley. (Ballantine, \$5.99) A new edition of the life story of the black leader.	14
2	RISING SUN, by Michael Crichton. (Ballantine, \$5.99. An investigation following the death of a woman stirs up Japanese-American rivairy.	6	2 EARTH IN THE BALANCE, by Al Gore. (Plume, \$13) An assessment by the Vice President of the environmental situation on earth and what needs to be done.	5
3	THE ROAD TO OMAHA, by Robert Ludium. (Bantam \$6.99.) A lawyer and a retired general want to help an Indian tribe take over the state of Nebraska.	2	THE ROAD LESS TRAVELED, by Scott Peck, (Touchstone / S&S, \$10.95) A psychiatrist writes to give spiritual and psychological inspiration.	82
4	THE FIRM, by John Grisham. (Island/Dell, \$5.99.) The secret, and possibly illicit dealings of a law firm create a dilemma for a young lawyer.	53	4 YOU JUST DON'T UNDERSTAND, by Deborah Tannen. (Ballantine, \$10.) Problems of communication between the sexes and how to resolve them.	89
5	MCNALLY'S SECRET, by Lawrence Sanders. (Berkley, \$5.99.) In his search for some valuable stolen stamps, a detective brings scandal to light.	5	5 REVOLUTION FROM WITHIN, by Gloria Steinern. (Little Brown, \$11.95) A leading feminist reflects on women's struggle for self-esteem.	3
6	JURASSIC PARK, by Michael Crichton. (Ballantine, \$5.99.) A biotechnician uses genetic cloning to make dinosaurs live again in a theme park.	28	6 DIANA: Her True Story, by Andrew Morton. (Pocket, \$5.99) The life story of the Princess of Wales.	10
7	A TIME TO KILL, by John Grisham. (Island/Dell, \$5.99.) A trial sets off racial tensions.	42	7 BACKLASH, by Susan Faludi. (Anchor/Doubleday, \$12.50) A journalist writes about the battles of the media and politicians against women's rights	16
8	BLINDSIGHT, by Robin Cook. (Berkley, \$5.99.) The strange deaths of some New York yuppies are investigated by a woman physician.	1	8 THE PRIZE, by Daniel Yergin. (Touchstone/S&S, \$16.) How world history since the 19th century has been influenced by the need for oil.	1
9	BEYOND EDEN, by Catherine Coulter. (Onyx, \$5.99) A private detective helps a young woman to escape threats from her past.	3	9 A YEAR IN PROVENCE, by Peter Mayle (Vintage, \$10.) A British writer describes his experiences in southern France	75
10	THE LINE OF FIRE, by W.E.B. Griffin. (Jove, \$5.99) The latest volume from the World War II series "The Corps" is the story of attempts to rescue two marines on a South Pacific island.	2	10 MOLLY IVINS CAN'T SAY THAT, CAN SHE? by Molly Ivins, (Vintage, \$11.) An essayist analyzes recent cultural and political events.	13
11	A THOUSAND ACRES, by Jane Smiley. (Fawcett,	19	Advice, How-to and Miscellaneous	
	\$12.) The life and fortunes of a family on a farm. THE DOOMSDAY CONSPIRACY, by Sidney Sheldon. (Warner, \$5.99) A mysterious balloon incident	11	THE T-FACTOR FAT GRAM COUNTER, by Jamie Pope-Cordle and Martin Katahn. (Norton,\$2.50) How to cut down on the fat content of one's diet.	19
13	is investigated by an American. COMPELLING EVIDENCE, by Steve Martini. (Jove, \$5.99.) When charged with the murder of her husband,	5	2 LIFE'S LITTLE INSTRUCTION BOOK, by H. Jackson Brown, Jr. (Rutledge Hill, \$5.95.) Tips for how to fulfill yourself in life.	77
14	a woman is defended by her ex-lover. GUARDIAN ANGEL, by Sara Paretsky. (Dell, \$5.99) Detective V.I. Warshawski investigates a strange scanda	1	THE SEVEN HABITS OF HIGHLY EFFECTIVE 10 PEOPLE, by Stephen R. Covey. (Fireside/S&S, \$9.95) How to achieve success: the principles and the practice.	02
15	A RIVER RUNS THROUGH IT, by Norman Maclean. (Pocket, M \$4.99) Three stories that take	14	THE WORLD ALMANAC AND BOOK OF FACTS 1993. (World Almanac/Pharos, \$7.95) The latest edition of a classic.	8
	place in the great outdoors of Montana.		5 RAND MCNALLY ROAD ATLAS. (Rand McNally. \$7.95) The 1993 edition of road maps for the United States, Canada and Mexico.	1

In this exercise, you'll scan a "Best-Sellers" list from a newspaper. Read each question and then scan the lists to locate the answer. Work quickly!

- 1. Which authors have two fiction books on this list?
- 2. What is the title of the book about World War II?
- 3. Who wrote a book with a plot set in Chicago?
- 4. How long has Jurassic Park been on the list?
- 5. What is the title of the book by Sidney Sheldon?
- 6. Who wrote the book about the Princess of Wales?
- 7. What is the price of A Year in Provence?
- 8. What is The Prize about?
- 9. Who wrote a book about living a successful life?
- 10. What company published the book about Malcolm X?

Check your answers with another student.

>	Write three more questions about the paperback best-sellers list. Ask your partner to scan for the
	answers. Work as fast as you can.

1.

2.

3.

Is there a book listed which interests you? Which one?

Why does this book interest you?

WEDNESDAY TV

	6:00	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00
2	MacNeil/Leh	irer	Are You Served?	Wednesday Group	National Geo	ographic	Empire of 1	the Air: The Me (2)	n Who Made F	Radio	Are You Served?
4	News		NBC News	Olympic Sun	nmer Games:	mer Games: Track & Field, Volleyball, Wrestling					
5	News		ABC News	Chronicle	The Wonder Years	The Wonder Years	Doogle Howser	Doogle Howser	Civil Wars (R	O.	News
6	News	CBS News	A Current Affair	Inside Edition	To Be An- nounced	Davis Rules	Raven		48 Hours (R)	News
7	News	CBS News	Wheel of Fortune	Jeopardyl	To Be An- nounced	Davis Rules	Raven		48 Hours (R)	News
9	News	ABC News	Entertain- ment	Hard Copy	The Wonder Years	The Wonder Years	Doogle Howser	Doogle Howser	Civil Wars (R	n	News
10	News	NBC News	Entertain- ment	Olympic Sun	nmer Games:	Track & Field,	Volleyball, V	Vrestling			
m	MacNeil/Leh	rer	Business Report	Carmen Sandiego	Evening at P	ops	Keeping Ar Business	merica No. I:	Columbus & Discovery	The Age of	News
12	News	ABC News	Wheel of Fortune	Jeopardyl	The Wonder Years	The Wonder Years	Doogie Howser	Doogle Howser	Civil Wars (R	ŋ	News
27	Ocurrio Asi	Noticiero	Marielena		Mundo de Fi	eras	Bandido * Ursula Thio	★★ (1956, Spi	anish) Robert	Mitchum,	Carma con Percel
38	Hogan Family	Family Ties	Cheers	M*A*S*H		hird Reich (Pa			Odd Couple	Hogan's	M*A*S*H Heroes
44	Sesame Street	Nightly Business	MacNeil/Lei	hrer	Championsh 1992	ip Ballroom D	ancing	Lighthouses	States of Mi (Part 7 of 7)		
50	Simon & Sim		Star Trek		and the second	★ (Color, 19	47) Groucho	Marx,	All in the Family	All in the Family	Twilight Zone
56	Growing Pains	Who's the Boss?	Full House	Night Court	-	Empty *** (1988, Dram	a) Christine	News		Arsenio Hall
58	Inner City Be	100,000	Feature Story	Feature Story	One Norway		Childhood:	A Journey	Rodina: "Russian Homeland"		50 Years Ago
_	6:00	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00
BRAVO	Off the Air				Duchess of	Duke Street	La Gazza L	adra			
CNN	The World To	day	Moneyline	Crossfire	Primenews		Larry King Live		World News		Sports Tonight
ESPN	Inside the PGA	Up Close	Sports Center	Baseball						Baseball Tonight	Sports Center
FAMILY	Batman	New Zorro	The Waltons Night*	"The Long	Big Brother Jake	Maniac Mansion	Scarecrow	& Mrs. King	The 700 Clu	b	Batman
НВО	← (4:30) Stanley/Iris	Lisa ** (19 Ladd, D.W. N	90, Suspens Aoffett	e) Cheryl	Another 48 I	Hrs. ** (199	O, Action), E	ddie Murphy,	Tales from Crypt	Dream On	One Night Stand
LIFE	Super- market	Shop/Drop	China Beact	h	L.A. Law: "O Again"	n the Toad	The Attic: 1 Mary Steer	The Hiding of Ar	nne Frank **	* (1988)	thirtysome- thing
MC	← (5) People the Lake	le Across		land ** (198 y, Charles Dan	8, Drama)		Narrow Ma	rgin *** (199 man, AnneArch		Trust ** (1990)	
NESN	Sportfishing	Fishing the West	Triathlon		ronto Blue Jay	s at Boston F	Red Sox			Baseball Action	High Five
NICK	What Would	Wild Kids	Looney Tunes	Rocky/Bull winkle	F Troop	Superman	Get Smart	Dick Van Dyke	Dragnet	Alfred Hitchcock	Lucy Show
SHOW	The Gods Mi Nixau, Lena	ust Be Crazy II Farugia			Shocker * (1989) Michae	Murphy,	Comedy	Raging Bull : Robert DiNir	Drama) iarty	
SPORT	Horse Racing	Horse Racing	Forever Baseball	Talking Sports	NBA Basketi at Boston Co	ball: Celtics E	ncore: New 1	fork Knicks	Team Tennis Newport Bea	: Los Angeles ach Dukes	s Strings at
TBS	I Love Lucy	Andy Grffith	Beverly Hillbillies	Sanford & Son	A Fistful of C	Oollars *** (1964) Clint	Eastwood	Big Jake **	(1971, Wes	tern) John Wayne
TNT	Gilligan's Island	Bugs Bunny	15019184445	550		sions *** (1	1981) Robert	t DiNiro		d (10:15) ** e, Scott Wilso	
USA	Cartoon Exp	ress	MacGyver: * Chance*:	Second	Murder, She			Twins ★★ (19:)	
WPIX	Charles in Charge	Happy Days	Star Trek: Ti Generation	he Next		r★★ (1981, C	rime Drama)	Control of the Contro	News		Cheers
	Cosby	Who's the	Gimme a	Tempera-	William Hurt, Kathleen Turner Incredible Hulk Quincy, M.E. !			News			

Scanning newspaper listings

exercise 5

In this exercise, you will scan the TV Listings. Read each question. Then scan the listings to locate the necessary information. Work quickly!

- 1. Which channel shows a movie starring Clint Eastwood?
- 2. What hours are included in the listing?
- 3. What movie listed is given four stars?
- 4. What time can we watch a baseball game?
- 5. How many news programs are shown at 11:00 p.m.?
- 6. What is the title of the movie to be shown on TNT at 8:00?
- 7. What is the title of the oldest movie to be shown?
- 8. How many channels have numbers? Names?
- 9. Which channels show more movies, the numbered or the named?
- 10. Which channel has Spanish language programs?

Check your answers with another student.



Write three more questions about this TV Listing. Ask your partner to scan for the answers. Work as fast as you can.

1.

2.

3.

sound, 75, 76, 131, 135, 148, 152, 156 space (for rehearsal and performance), 130, 133, 134, 139, 156 speech community, 31 speeches, 99, 100 Spolin, Viola, 24, 49, 151, 157, 159, 160 spontaneity, 11, 27, 88 spontaneous, 23-24, 139 Squeeze Play, 85, 86, 140 stage fright, 151 the stage manager, 151, 152 stage speech, 41 Stanislavski, Constantin, 13, 14, 157, 158, 160 Station Theater, 7 Steffensen, James, 158 stereotype, 9, 14, 53 stop-and-go rehearsals; see rehearsal Stoppard, Tom, iii strategies, 2, 15, 22, 23, 32, 41, 50, 51, 80, 81; see also coping strategies streamers, 3, 160 stress and intonation, 12, 17, 38-40, 48, 71, 76, 78, 80-82, 84, 144, 146, 147; see also intonation structure, 10, 13, 28; see also grammar substitution, 32, 33, 61, 62, 145 subtext, 5, 38, 122; see also; deep character surface, behavior, 43 character, 14 meaning, 78 Suter, Richard, 20, 160 syllabus, vi, 22 tai chi, 42

taste, 53

Teachers of English To Speakers of Other Languages, 31 teaching style, vi technical, demands of the play, 131 effects, 148; see also set, props, lighting, sound tempo, 5, 7, 29, 40, 46, 79, 86, 138, 145, 147, 148 tension, 11, 83, 84 TESOL, 31 Test of English as a Foreign Language, text books, see Recommended Reading Thatcher, Mark, 61 Theater in Englischer Sprache, 129 A Thurber Carnival, 126, 158, 160 Thurber, James, 30, 126, 158, 160 tickets, 152, 153, 156 **TIES, 129** time, commitment to the play, 130, 132, 156 sense of, 35 teacher's preparation, 49 Time Magazine, 118 TOEFL, 132 tonal memory; see memory touch, 53, 54 trivia contests, 7 Trudeau, Garry, 66 I. Pass the Body (exercise), 86 II. Catch (exercise), 87 underlying meaning, 122; see also deep

character and subtext

values, 17, 35 variety show, 127 Via, Richard A., 159 video, 70, 71, 147, 153 vocabulary, v, 12, 28, 29, 33, 37, 61, 75, 92, 107, 126 emotional, 5, 32, 138, 144 lexical, 5, 31, 32 physical, 5, 36, 82, 138, 144 vocal production, 72, 73, 76, 77, 80-84, 145 warm-ups, see warmups; see also voice vowel sounds, 39, 74, 75, 80, 81, 147 voice, 2, 3, 14, 17-20, 25, 70, 71, 76, 80, 82-84, 88, 138, 140, 144; see also vocal production Volkshochschule, 129 volume, 40 warm-ups, 7, 17, 18, 25, 40, 41, 46, 71-73, 76, 139, 140, 141, 144, 145, 147, 151, 152 Weller, Michael, 3, 160 Widdowson, H.G., 21, 22, 160 Wilder, Thornton, 36, 129, 130, 134, 145, 153, 155, 158, 160 Wright, Andrew, 159 Wright, William Aldis, 160 writing, 63

Young, J.W., 158

A Unicorn in the Garden, 30,

University of Illinois, 127,

126, 158

128, 132

Exercise 1 SCANNING AN INDEX

Try to find the page numbers another student to time you. W	nestions in the index on the next page. So very quickly. Ask your teacher or rite down exactly how many seconds int: The index is in alphabetical order.)
Starting time	
On what page(s) can you read	about:
	Page
1. TOEFL	
2. taste	
vocabulary	
4. writing	
5. sound	
stereotype	
7. Time Magazine	
8. University of Illinois	
9. Andrew Wright	
10 Garry Trudeau	

1996 TAURUS GL SEDANS & WAGONS SAVE \$4500 OFF ORIGINAL LIST 1996 TEMPOS \$3800 OFF ORIGINAL LIST Before Discount (Includes Rebate) Before Discount (Includes Rebate) in Ex #F204 EXAMPLE: NO. P2008 edan Ex #F204 2044 Phg • Air Bag Air Cond. Rear Window Def. Cruise Power Seats Power Windows Cassette Air Conditioning Tit Wheel Floor Mats Per. Deer Locks AM/FM Cassett Clearcost Paint \$969 9 9 0 YOU PAY YOU PAY 50 AVAIL AT THIS DISCOUNT 100 AVAILABLE AT THIS DISCOUNT 1996 F150 SUPER CABS 1996 EXPLORERS 4X4 (4 DR.) XLTs & EDDIE BAUER SAVE \$3200 OFF ORIGINAL LIST EXAMPLE: #F1913 • AUTOMATIC TRANSMISSION • REAR BENCH SEAT • XL TRIM • STEP & TOW BUMPER Before Discount (Includes Rebate) Original List (Before Discount) Discount Recent College Grad Rebate EXAMPLE: No. F23F7 EXAMPLE: No. P23F7 • Cloth Captain Chairs • Power Windows • Power Door Looks • Cruise Control • Air Cond. • Auto Trans. \$14,295 -\$400 5 YOU PAY YOU PAY 25 AVAILABLE AT THIS DISCOUNT 1996 ESCORT WAGONS \$3500 OFF ORIGINAL LIST Before Discount (Includes Rebate) 1996 RANGER XLT SUPER CABS SAVE \$3000 Off Original List Before Discount (Includes Rebate) EXAMPLE: #F2784 • AM/FM Cassette • Cust. Alum. Wheels • Sliding Rear Window • Cargo Cover • XLT Trim cxample No. F2415 Air Conditioning Power Steering Rear Wiper Rear Defroster Luggage Rack Electronic Mirrors Conv. Group Clearcoat Paint -\$400 \$89 9 66 YOU PAY YOU PAY OVER 150 ESCORT WAGONS AVAIL. 10 AVAILABLE AT THIS DISCOUNT 1996 CROWN VICTORIAS 1996 TAURUS SHOS SAVE \$7000 OFF ORIGINAL LIST Ex: #F2875 (Includes Rebate) Ex: #P2875 • Air Bag • Air Cond. • Cruise Control • P. Windows • P. Locks • R. Defrost Ex: #F1322 • Auto Air Cond. • Power Antenna • Air Bag • Hi Level Audio Sy Orig. List -\$5600 -\$1000 -\$400 -\$400 el Die YOU PAY OVER 50 CROWN VICTORIAS IN STOCKS 40 AVAILABLE AT THIS DISCOUNT 540 Southern Ave • Branford 555-0070

In this exercise, you will scan a newspaper ad for new cars. Read each question. Then scan the advertisement to locate the correct answer. Work quickly!

17

- 1. What is the cheapest car in this ad?
- 2. Which cars have air conditioning?
- 3. How many Crown Victorias are available?
- 4. Does the Escort Wagon have power windows?
- 5. Can college graduates get a rebate for all the cars in this ad?
- 6. For which car can you get a "Daniel discount?"
- 7. Which car has the least discount?
- Which car has an original list price of \$13,499?
- 9. How many cars have cassette players?
- 10. In what town is Daniel Ford located?

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Exercise 7 SCANNING A NEWSPAPER AD

Scan the ad below to find the answers to these questions. Work very fast.

 In this exercise, you will scan supermarket ads. Read each question. Then scan the advertisement to locate the correct answer. Work quickly!

A. Scan only ad number 1 to answer these questions:

- 1. How many different beverages are advertised?
- 2. What is the price of a 9" Pie?
- 3. How many ounces (oz.) of vegetables can you buy for .79?
- 4. How many Eggo Waffles are in a package (pkg.)?
- 5. What is the name of the company which sells frozen carrots?
- 6. Which juice is 100% natural?
- 7. How many pieces of pizza can you buy for \$2.39?
- 8. Which pizza is cheaper?
- 9. What is the weight of the frozen bread dough?
- 10. Is pink lemonade on sale?

Ad 1

TIMESAVING FROZEN FOODS

Minute Maid OJ Calcium Fortified, Country Style or Regular, 12 Oz Can. Or Reduced Acid 10 Oz Can. Frozen	Birds Eye Deluxe Microwaveable Vegetables. Baby Whole Carrots, Broccoli Florets, Sugar Snap Peas, Tendersweet Corn, Baby Broccoli Spears, Whole Green Beans or Tiry Tender Peas. 8 02 Pkg. Frozen.	.79
Seneca Juice 100% Natural Grape, Granny Smith Apple or Apple. 12 Oz. Can. Frozen	4 00 0 00 0	.89
Lemonade Shop & Go. Regular or Pink. 12 Oz Can, Frozen	0 c4	.39
Large Crispy Bagels Shop & Go. Assorted Varieties 15.6 Oz Pkg. of 5. Frozen.	S 00 01 D 11	.39
Eggo Waffles Homestyle or Buttermilk 11 0z Pkg. of 8 Frozen .	1 20 Weaver Chicken	.49
Cool Whip Lite, Extra Creamy or Regular 8 Oz Container. Frozen	QQ L	.49 .39
	1.99 Fish Sticks	.33 .49
White Bread Dough	1.89 Van de Kamp's Value Pack 26.4 Oz Pkg. of 44. Frozen	.43

B. Scan both ads to answer these questions:

- 1. Which ad has a lower price for orange juice (OJ)?
- 2. Do both ads include chicken?
- 3. Which ad has a lower price for Totino's Pizza?
- 4. Which is cheaper, Ellio's or Tony's pizza?
- 5. How many different kinds of bagel bites can you buy?
- 6. Do both ads include fish?
- 7. How many different brands of pizza are found in ad number 2?
- 8. Is Cool Whip less expensive in ad 1 or ad 2?
- 9. What is the name of the company that makes garlic bread?
- 10. Which ad offers more different kinds of foods?

Check your answers with another student.

If you were shopping and you had only \$7.50 to spend, which items would you buy?

Ad 2

TIMESAVING FROZEN FOODS

Tropicana OJ 100% Pure. Regular or Homestyle. 12 Oz Can. Frozen	.99	Cheese Ravioli Shop & Go. 16 Oz Pkg. of 36 Frozen .	1.39
Cool Whip Birds Eye. Lite, Extra Creamy or Regular. 12 Oz Container. Frozen	1.29	Celeste Zesty Pizza Four Cheese Italian Bread 9.25 Oz Pkg. Frozen	1.59
Tony's Pizza Italian Pastry. Pepperoni Extra Cheese or Supreme.	2 _{for} \$4	Cheese Pizza Tree Tavern. 16 Oz Pkg. Frozen	1.99
	1.29	Pizza Shells Calise. 27 Oz Pkg. of 3. Frozen	1.99
Jeno's Pizza Rolls Assorted Varieties. 6 Oz Pkg. Frozen		Garlic Bread Cole's. Butter Flavored 16 Oz Pkg. Frozen	1.59
Cheese Pizza	2.19	ricen	3 _{for} \$1
Dagal Ditas	1.99	(2007) CON 1917-0- 1019 AND	2.55
Deviali Vitaban	2 _{for} \$3	Van de Damp's Fi Value Pack, Bread Sticks 26.4 Oz Pkg, or Batter Portions 25 Oz Pkg, Frozen	3.49

14 Yonkers Stores Damaged by Fire

Special to The New York Times

YONKERS, Nov. 12 — A four-alarmfire damaged 14 stores today in the Cross County Shopping Center, the largest shopping center in Westchester County.

Fire investigators said the blaze apparently started in a pile of cardboard cartons at the rear of a shoe store and spread through a utilities duct above the 13 other stores. The fire started at 4:40 P.M. and was declared under control at 6:14 P.M. The center is on the Cross County Parkway at the Gov. Thomas E. Dewey Thruway.

Two firefighters were treated at the scene for minor cuts. Lieut. John Carey of the Yonkers Arson Squad said the cause of the fire was under investigation.

Exercise 4 SCANNING A NEWSPAPER STORY

Scan the news story below to find the answers to these questions. Work fast. Ask your teacher or another student to time you.

Star	rting time
1.	How many stores were damaged in the fire?
2.	In which store did the fire (blaze) start?
3.	What time did the fire start?
4.	Where is the shopping center?

Philippines Sends Aid For Typhoon Damage

MANILA. Nov. 10 (AP) - The Philippine Air Force ferried medical teams and relief supplies today to provinces ravaged by Typhoon Agnes. The authorities said 515 people had died in the typhoon and more than 400 were missing.

An air force spokesman said more than 163 tons of food, medicine and labilities had been seen to the Vicence.

clothing had been sent to the Visayan region, 300 miles south of Manila, and

more aid was on the way. The typhoon hit the region Monday. The spokesman said helicopters were rescuing people stranded by floods that remained chest-deep today in some areas of Panay Island, which appeared to have been hit the worst. Most of the fatalities and missing were on the island, where 445,000 people were homeless.

The Philippine National Red Cross reported that 90 percent of the 86,000 houses in Capiz Province on Panay were destroyed. Many of the dead were children who drowned as 30-foot waves smashed into coastal villages.

SCANNING A NEWSPAPER STORY Exercise 5

Scan this news story to find the answers to these questions. Work fast. Ask your teacher or another student to time you.

Sta	rting time
1.	How many people died in the typhoon (storm)?
2.	On what day did the typhoon begin?
3.	How many people lost their homes (were homeless)?
4.	What is the name of the island that was hit worst?
5.	What is the name of the typhoon?
6.	How many people are missing?

THE NEW YORK TIMES

ASTRONAUTS SNARE ERRANT SATELLITE FOR THE FIRST TIME

AIM TO RETRIEVE 2D CRAFT

Major Obstacle Is Overcome by Wrestling 1,200-Pound Palapa Into Cargo Bay

By JOHN NOBLE WILFORD Special to The New York Time

HOUSTON, Nov. 12 - Two space-

walking astronauts boldly snared a satellite in orbit today and, overcoming a surprising and potentially serious obstacle, wrestled the large satellite aboard the cargo bay of the space shuttle Discovery.

It was the first salvage operation in space.

The astronauts plan to retrieve a second communications satellite Wednesday to complete one of the most ambitious and difficult operations in the shuttle's history. They are seeking to demonstrate the shuttle's overall versatility as well as to recoup some of the money insurance companies lost when the two satellites were misfired into useless orbits last February.

Just about dawn over the eastern Pacific, or 8:32 A.M., Eastern standard time, Dr. Joseph P. Allen flew away from the shuttle 224 miles above the earth, circling at a rate of 17,000 miles an hour. He moved toward the stranded Palapa B-2, a 1,200-pound drum-shaped satellite that was rotating slowly about 35 feet away.

THE BOSTON GLOBE

Shuttle snares disabled satellite

orbiter aboard

Associated Press

SPACE CENTER, Houston - A free-flying astronaut snared an errant satellite in history's first space salvage yesterday, then he and a fellow spacewalker wrestled it aboard Discovery after a failed brace prevented use of the shuttle's robot arm.

"All right! We got it. We got it," called Dale Gardner after he and Joe Allen maneuvered the Palapa B2 satellite into the Discovery's cargo

bay and secured it in place.

Allen had held the satellite for more than 90 minutes as Gardner attached a locking frame on the can-shaped craft. The work required Gardner to tighten nine bolts and Allen was forced to rotate the craft by hand at Gardner's directions.

"I can hold it wherever you want it, Dale," said Allen, grasping a rim at one end of the craft while Gardner worked at the other end

to attach the locking frame.

The 5-foot-6 Allen was heard to gasp repeatedly as he strained against the inertia of the 21-by-7-foot cylindrical satellite, which weighs 1200 pounds on Earth. Allen held the satellite while he, the orbiter and Discovery made one complete orbit of Earth.

Several times Allen was cautioned by commander Rick Hauk and pilot David Walker, watching from inside Discovery's cockpit, to keep the satellite from banging into the side of the shuttle. And each time Allen was able to move the satellite slightly.

SCANNING TWO NEWS STORIES Exercise 6 FOR INFORMATION

Scan the two news stories to answer these questions. Work fast.

Starting time _ How many astronauts walked in space? ______ 2. On what date did this happen? _ How much did the Palapa B-2 satellite weigh? __ 4. How many miles above the earth were the astronauts? _____ Who held the satellite for more than 90 minutes? ___ 6. What is the commander's name? ___

Hawaii's ethnic rainbow: shining colors, side by side

by Susan Yim

Advertiser Managing Editor/Features & Design

merica is going through an identity crisis.

Nationally, early in the 21st century, the white population is expected to go from majority to less than 50 percent. Ethnic groups—especially Hispanic and Asian—are increasing due to immigration, and already there's more interracial marriage, especially in such trend-setting states as California and New York.

Sociologists and others ponder: How will all these

people with different roots get along?

Time magazine celebrated the Fourth of July last year with a cover story about the nation's ethnic diversity and asked the questions "Who Are We?" and "What Do We Have in Common?"

To someone in Hawaii, all this concern about ethnic diversity seems like so much fuss. For most of this century, Hawaii has been a mulitcultural society, a community of different ethnic groups where no one group is the majority.

Back in 1961, sociologist Lawrence Fuchs came to Hawaii and wrote "Hawaii Pono," a very good book about the islands' march toward statehood. In it, he

"This is the promise of Hawaii, a promise for the entire nation, and indeed, the world, that peoples of different races and creeds can live together, enriching each other, in harmony and democracy."

But not many people beyond Hawaii's shores have paid much attention to what's going on socially here.

So when New York-based playwright David Henry Hwang spoke at the University of Hawaii last summer about Hawaii being a model multicultural community for the rest of the country, it raised the obvious question:

What could others learn?

The Hawaii model

Gov. John Waihee likes to call Hawaii "a marketplace bazaar." He's made several speeches recently about the Hawaii model to Mainland audiences.

"In Hawaii, you have something a little different, in which people are encouraged to be proud of their heritage," says Waihee. "There's a pride in that kind of a society that allows you to pick and choose and enjoy the cultural contributions and uniqueness of different groups."

Hawaii's population

Here are the latest population statistics by ethnic group for Hawaii. Total population in 1988 was 942,564 excluding military and dependents.

	Population	Percent
Japanese	222,697	23.9%
Mixed (Part Hawaiian)	202,134	21.4%
Caucasian	191,553	20.3%
Filipino	118,694	12.6%
Mixed (Non-Hawaiian)	112,411	11.9%
Chinese	47,787	5.1%
Other unmixed	12,579	1.3%
Korean	10,720	1.1%
Pure Hawaiian	9,344	1%
Samoan	5,106	.5%
Puerto Rican	3,336	.3%
Black	3,203	.3%

Source: State Department of Health, Hawaii Health Surveillance Program for 1988. Because of rounding, percentages may not total 100.

"In a way, we've tried to call that culture which allows everybody to kind of exchange, go in and out of, enjoy various things...in its best sense, local culture," he says. "What glues it all together is the native Hawaiian culture."

UH professor and political analyst Dan Boylan is an even bigger cheerleader for Hawaii's multicultural model, pointing out multicultural societies in Southeast Asia and the Pacific where ethnic groups don't get along.

"We are the nation's experiment in multiculturalism. I don't think anybody's paid attention to that at all," Boylan says.

We get along because no one group has enough people to be in the majority and to dominate, Boylan adds, and that extends into politics.

"Our political model is no one constitutes that 50.1 percent that's necessary to oppress anyone else," he explains. "Whoever has wanted to govern in this state has had to form a coalition across ethnic lines. (Unlike the Mainland,) politicians have to appeal to different ethnic groups to win elections.

Scanning newspaper articles

exercise 8

- You are doing a report on ethnic diversity, and you find this newspaper article. Scan the article for the answers to the questions below. Work quickly!
 - 1. In what year were the population statistics calculated?
 - 2. Who was the governor of Hawaii at the time of this article?
 - 3. How did D.H. Hwang describe Hawaii at the time of this article?
 - 4. What is the name of the professor who studies Hawaiian society?
 - 5. Which group in Hawaii is the largest?
 - 6. What is the combined total of mixed and pure Hawaiians?
 - 7. How many Chinese residents are listed?
 - 8. What is the percentage of Samoans?
 - 9. How many Caucasians live in Hawaii?
 - 10. Does any ethnic group have a majority?
- Check your answers with another student. Write three more questions about the population of Hawali. Ask your partner to scan for the answers. Work as fast as you can.

1.

2.

3.

Would this information be useful for a report on ethnic diversity? Why or why not?

- You will be visiting Boston with some friends in the autumn. They would like to spend a day in the country. You see this article about picking apples and decide you want to know more about it.

 Scan the article for the answers to the questions below.
 - 1. Where does this article recommend picking apples?
 - 2. Who picks the apples?
 - 3. What kind of apples are the very first to ripen?
 - 4. Do you need to bring bags for the apples?
 - 5. How much time does it take to pick apples?
 - 6. What else can you do at an orchard besides pick apples?
 - 7. How many apples should you pick?
 - 8. What should you do with the apples when you get home?
 - 9. What can you do if you pick too many apples?
 - 10. How can you find out where to go apple-picking in Massachusetts?

Picking Apples—A New England Tradition

By Gennadi Preston

Throughout New England, people know that fall has arrived when the McIntosh apples begin to turn red in the orchards in early September. After the "mac" come the Cortlands, the Empires, the McCoons and, finally, the Red and Golden Delicious. All through September and October, the aroma of ripe apples fills the air on sunny days—an invitation to come picking.

A day of apple picking is, in fact, a popular way to spend a fall day in New England. From Connecticut to Maine, it is generally possible to find an orchard within an hour's drive and the trip is well worth the time. Not only will it provide you with plenty of the freshest apples to be found, but it also will give you a chance to take in some sunshine and autumn scenery and get some exercise. And the picking is usually best done by adults. Children should not climb up into trees and risk hurting themselves and damaging the trees—younger members of the family can

have fun just romping around the orchard.

The picking may not take long —two hours at most—but many of the orchard owners now offer other kinds of entertainment. At some orchards, you can go for pony rides or ride on a hay-filled wagon. You may be able to watch a horse-show or visit the cows or sheep in the pasture. Or you may decide to take a hike and have a picnic along a country lane. Some orchards have set up refreshment stands in their barns where you can taste local products, such as apple cider and homemade baked goods.

A few hints:

I. Call before you go. Check the local newspaper for the names and locations of orchards which offer pick-your-own apples. Then phone to find out their hours, since they may vary from one orchard to another.

You should also ask about the rules regarding



bags and containers. Most orchards provide bags, but a few do not and some will allow only certain types of containers.

- 2. Check in when you arrive. Before you start picking, you should check with the orchard owner about which varieties are ripe in that period, and which parts of the orchard are open for picking. Respect the owner's privacy and do not go where you are not allowed!
- 3. Pick carefully. When you pick the apples, treat them gently. Some orchard owners advise pickers to treat the apples as though they were eggs. If they bruise, they will spoil more quickly. The technique for picking is simple: hold the apple firmly but not too tightly and twist it off the branch, taking care to leave the stem attached, since removal of the stem will also cause rot.
- Don't waste apples. Be careful to pick only the apples you need. You may be tempted to pick

too many of the delicious looking fruit, and then find that the apples go bad before you can eat them. Since the apple season lasts for almost two months, you can always return for another load of apples later.

- 5. Keep what you pick! Once you take an apple off the tree, you must keep it. It's not fair to the orchard owner to leave apples on the ground where they will quickly spoil.
- 6. Store your apples properly. Put your apples in the refrigerator as soon as you get home. Studies by the Vermont Department of Agriculture have shown that apples last seven times longer when kept under refrigeration.

If you do pick too many apples to eat in a week or two, you could try freezing them to use later in pies and cakes. Simply peel, core and slice them, and then put them in airtight plastic bags. They may be kept in the freezer for up to a year.

Write to the Department of Agriculture in the state that interests you and ask them to send a list of orchards that offer pick-your-own.

For Further Information

Write to one of these departments of Agriculture to obtain a list of orchards in each New England state.

- Connecticut Dept. of Agriculture, State Office Building, Hartford, CT 06106
- Maine Dept. of Agriculture, State House Station 28, Augusta, ME 04333
- Massachusetts Dept. of Agriculture, 100
 Cambridge Street, 21st Floor, Boston, MA 02202
- New Hampshire Dept. of Agriculture, Division of Agricultural Development, 10 Ferry Street, Concord, NH 03302
- Rhode Island Dept. of Environmental Management, Division of Agriculture, 22 Hayes Street, Providence, RI 02908
- Vermont Dept. of Agriculture, 120 State Street, Montpelier, VT 05620

- You have an assignment to do an oral report on a recent development in technology. Scan this passage from an encyclopedia to answer the questions below. Work quickly!
 - 1. Whose idea was the satellite in the first place?
 - 2. What was the name of the first communications satellite?
 - 3. Who was president of the United States when the first communications satellite sent a Christmas message?
 - 4. Which countries cooperated to develop Echo 2?
 - 5. Which satellite was the first to send television broadcasts?
 - 6. About how far above the earth were the experimental satellites?
 - 7. How many kinds of commercial satellites are mentioned in the text?
 - 8. When was the first commercial satellite placed in operation?
 - 9. Which satellite first carried both telephone calls and color television between North America and Europe?
 - 10. What is the name of the newest satellite mentioned in the article?
- Check the accuracy of your answers with another student. Then write three more questions about communications satellites. Ask your partner to scan for the answers. Work as fast as you can.

1.

2.

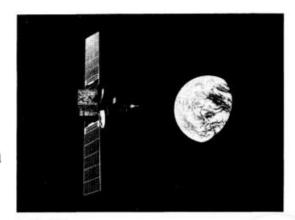
3.

Is the information in the article useful?

Would it help you to make a good oral report?

Why or why not?

What additional information would you like to have?



Intelsat 5

SATELLITES

The higher powered satellite amplifiers of the 1980's made possible TV transmission into antennas small enough to be mounted on the roof of a private home or on the side of a building. With such an antenna, ghosting of the picture due to reflections from buildings or hills no longer occurs. Also, the bandwidth per channel, wider than that used for conventional TV broadcasting, makes for pictures of better quality and higher definition.

In addition to countries using their own satellites for domestic service (Australia, Canada, Indonesia, Mexico, the United States, and the Soviet Union), about two dozen countries lease satellite transponders from Intelsat for domestic communication services.

HISTORY

The idea of a satellite system for communications was first suggested in 1945 by Arthur C. Clarke, an English engineer and writer. About 1954, John R. Pierce, an American engineer, made a thorough study of all types of satellite systems for communications. His work ultimately led to the active-repeater satellite program.

Experimental Satellites. The first communications satellite, called Score, was launched on Dec. 18, 1958. Score, which consisted of two radio receivers, two transmitters, and two tape recorders, transmitted to the world the prerecorded Christmas message of President Dwight D. Eisenhower. On Aug. 12, 1960, a passive communications satellite, Echo 1, was orbited to conduct communications experiments. A ten-storyhigh balloon, Echo 1 was used to bounce radio and television signals between the United States, England, and France. Echo 2, part of a cooperative program of experiments between the United States, England, and the Soviet Union, was launched on Jan. 26, 1964.

The first electronic active-repeater satellite, Courier 1B, was launched on Oct. 4, 1960. It was also the first satellite to use solar cells rather than chemical batteries for power, and it transmitted for 17 days.

After a hiatus of almost two years, the Telstar, Relay, and Syncom projects provided a series of spectacular successes that proved the feasibility of satellites for commercial communications. Telstar 1 was orbited on July 10, 1962, and Telstar 2 on May 7, 1963. Telstar 1 was the first communications satellite to relay experimental television broadcasts. Relay 1, launched on Dec. 13, 1962, and Relay 2, launched on Jan. 21, 1964, were similar to the Telstars.

Syncom 1, the first synchronous satellite, was successfully launched on Feb. 14, 1963, but an electronics failure prevented it from being used. Syncom 2, launched on July 26, 1963, was used to test the synchronous satellite concept thoroughly, and Syncom 3, launched on Aug. 19, 1964, was used to relay telecasts

of the 1964 Olympic Games, held in Japan, to the United States and Europe.

The low-orbiting satellites (up to 6,000 miles; 9.600 km) such as Score, Echo, Courier, Telstar, and Relay provided many useful experiments. But the evolving technology made synchronous satellites the choice for commercial uses.

Commercial Satellites. The history of the Intelsat system comprises several successive generations of satellites.

Intelsat 1. Early Bird (Intelsat 1), the world's first commercial communications satellite, was launched from Cape Canaveral, Fla., on Apr. 6, 1965, and was placed in commercial operation over the Atlantic Ocean on June 28, 1965. Early Bird had a capacity of 240 simultaneous telephone calls, or one color television channel, between points in North America and Europe. Early Bird introduced live commercial television across oceans.

Intelsat 2. Three satellites of the Intelsat 2 series were successfully launched and placed in commercial service during 1967. One was placed over the Atlantic Ocean augmenting Early Bird, and two were placed over the Pacific Ocean. These satellites had the same capacity as Early Bird and each covered one third of the globe. They introduced multipoint communications capability—that is, each satellite could link earth stations in all countries within its area of coverage. These satellites extended satellite coverage to two thirds of the world.

Intelsat 3. A third generation of Intelsat satellites was placed in commercial operation over the Atlantic, Pacific, and Indian Oceans between January and July 1969 to establish the initial global system. These satellites had a capacity of 1,200 simultaneous telephone calls or 4 television channels, or combinations thereof.

Intelsat 4. An even further advanced fourth generation of satellites was launched beginning in January 1971, and by July 1972 an improved global system of Intelsat 4 satellites was operating over the Atlantic, Pacific, and Indian Oceans. This series, larger and heavier than the Intelsat 3 series, had a capacity of 4,000 simultaneous telephone calls plus two television channels per satellite. The Intelsat 4A version of the series was first launched in 1975 and, by using a number of satellite amplifiers, provided 6,000 telephone circuits plus two television channels per satellite.

Intelsat 5. Intelsat 5, first launched in 1980, had a capacity of 12,000 simultaneous telephone circuits plus two television channels. This series uses a flywheel driven by an electric motor, rather than a spinning satellite, to maintain stability. The Intelsat 5A, an expanded version of the Intelsat 5, provides 14,000 telephone circuits and two television channels.

JOSEPH V. CHARYK