

Tutorial N°3**Exercise 1: Definitions**

1. Define animal production.
2. What is meant by livestock farming?
3. State three main objectives of animal production.
4. What is balanced animal nutrition?
5. Explain the concept of animal welfare.

Exercise 2: Complete the Table

Livestock System	Characteristics	Example
Extensive
Intensive
Mixed
Family
Specialized

Exercise 3: Classification

Classify the following into **Food products / Industrial products / Services**:

- Wool
- Milk
- Eggs
- Manure
- Leather
- Draft power
- Meat
- Gelatin

Exercise 4: Short Answer

1. What are the three main nutritional requirements of animals?
2. Give two examples of protein sources.
3. Why are minerals important in animal diets?
4. What is the role of vitamins A and D?

Exercise 5: True or False

1. Vaccination is a preventive health measure.
2. Overcrowding improves productivity.
3. Veterinary supervision helps early disease detection.
4. Clean housing reduces stress and infections.

Exercise 6: Explain

1. How do crop residues benefit livestock?
2. How does manure improve soil fertility?
3. What is crop–livestock rotation?
4. Why is integration important for sustainable agriculture?

Exercise 7 : Discussion Question

Explain how animal production contributes to:

- Food security
- Rural employment
- Environmental sustainability

Exercise 8 : Multiple Choice Questions (MCQs)

1. Intensive livestock farming is characterized by:
 - a) Large grazing areas
 - b) High animal density
 - c) Low productivity
 - d) Natural feeding only
2. Which is an industrial product?
 - a) Milk
 - b) Eggs
 - c) Leather
 - d) Meat
3. Calcium is important for:
 - a) Energy supply
 - b) Bone formation
 - c) Muscle color
 - d) Wool production