

**Tutorial N°2****I. TEST QUESTIONS: Tick the right answer.**

|   |   |
|---|---|
| <b>QCM 1:</b> High genetic diversity is a characteristic of:  |   |
| A-  | Agroecosystems  |
| B-  | Natural ecosystems  |
| C-  | Both Natural ecosystems and Agroecosystems  |
| <b>QCM 2:</b> Agronomy includes livestock.  |   |
| A-  | True  |
| B-  | False   |
| <b>QCM 3:</b> How has food production kept up?  |   |
| A-  | Food production has not kept up   |
| B-  | No answer text provided.  |
| C-  | Increase Production Efficiency, Technology, Farmer Education, Pesticides, Mechanization |
| <b>QCM 4:</b> The human population on Earth is approximately-   |   |
| A-  | 5 billion   |
| B-  | 7 billion   |
| C-  | 10 billion  |
| D-  | 15 billion  |
| <b>QCM 5:</b> Which of the following would not be a biotic factor:                                    |   |
| A-  | Worms   |
| B-  | Organic Matter  |
| C-  | Pathogens   |
| D-  | Insects   |
| <b>QCM 6:</b> Which of the following abiotic factors does the farmer typically NOT have control over: |   |
| A-  | Water   |
| B-  | Insects   |
| C-  | Nutrients   |
| D-  | Temperature   |
| <b>QCM 7:</b> Abiotic factor include all except?  |   |
| A-  | Season  |
| B-  | No answer text provided   |
| C-  | Herbivory   |
| D-  | Climate   |
| <b>QCM 8:</b> A monoculture is defined as:  |   |
| A-  | None of the answer choices are correct  |
| B-  | A closed agroecosystem  |
| C-  | Having only one species in a field  |
| D-  | Farming without machines  |
| <b>QCM 9:</b> Non-living factors that affect an ecosystem are called _____ factors:                   |   |
| A-  | Bioengineered   |
| B-  | Symbiotic   |
| C-  | Biotic  |
| D-  | Abiotic   |
| <b>QCM 9:</b> High genetic diversity is a common characteristic of plants in a:                       |   |
| A-  | No difference between a natural and an agroecosystem                                    |
| B-  | Natural ecosystem   |

|  |    |  |
|--|----|--|
|  | C- | Agroecosystem  |
|  | D- | Depends upon the system  |
| <b>QCM 10:</b> High stability is characteristic of:  |    |  |
|  | A- | Agroecosystems   |
|  | B- | Both Natural ecosystems and Agroecosystems   |
|  | C- | Neither Natural ecosystems nor Agroecosystems  |
|  | D- | Natural ecosystems   |
| <b>QCM 11:</b> Stability is lower in an agroecosystem compared to a natural system due to: |    |  |
|  | A- | Stability is not lower in an agroecosystem compared to a natural system.   |
|  | B- | Organisms are not able to readily adapt to sudden environmental changes or pest infestations due to a limited gene pool. |
|  | C- | There are several other species competing for the same resources.  |
|  | D- | Most growth factors are influenced by the farmer.  |

**II.** Using the questions from the two tutorials (1, 2) and your knowledge, compare the natural ecosystem with an agrosystem (in a table).

*We wish you good luck*