

True or False (2 points each)

1. All non-native species will become invasive species
2. Human burning of fossil fuel has impacted the environment

Both of these questions apply to Bloom's comprehension level. They ask the student to either confirm or deny the questions, which requires knowledge and a very small amount of comparison. For Depth of knowledge these would qualify as level one, recall questions.

Multiple Choice (2 points each)

3. Which of the following is an abiotic component of an ecosystem?
 - a. Grass
 - b. Water
 - c. Fungus
 - d. Fish
4. Which of the following is a biotic component of an ecosystem?
 - a. Radiation
 - b. Humidity
 - c. Soil
 - d. Tree

Both of these questions are Knowledge questions in Bloom's taxonomy. They ask the test taker to label the component as biotic or abiotic. They also qualify as level one recall, because these are recognition of the component as one or the other.

Matching (2 points each)

5. Match the term with its definition(write letter into blank provided

Commensalism _____	1. One organism benefits, the other is harmed
Parasitism _____	2. One organism Benefits, the other is not impacted

This question is a comprehension level question in Bloom's taxonomy. It asks the student to match the term with its definition. This same matching in Depth of knowledge is a level one using the match.

Short Answer (2 points each)

6. The introduction of _____ to environments poses a threat to the species native to this area.
7. The mining of fossil fuels is possible because dead organisms go through the important process of _____ where they are broken down into more basic forms.
8. Give a short analysis of how the amount of life in an ecosystem is limited by water and oxygen.

6 and 7 are examples of comprehension level questions in Bloom's taxonomy. They are also level 1 questions in Depth of Knowledge. 8 is an analysis level question in Bloom's taxonomy, and either a level three or four in Depth of Knowledge.

Essay (8 points each)

9. Explain the flow of energy from the sun through recycling of tertiary consumers and its importance to life on this planet.

[illegible]

This question requires the students to combine their knowledge of different trophic levels, and is a Synthesis level question. It is a level four Depth of Knowledge question.

10. Analyze five biotic and abiotic components of your environment that influence your life on a daily basis.

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This question requires the students to combine their knowledge of different components of their environment and is an Evaluation level question. It is a level four Depth of Knowledge question.

9. Scoring Key:

Did the student mention producers, primary, secondary and a tertiary consumer? Did the student mention photosynthesis? Did the student mention the loss of energy up the food chain? Did they explain where we get the energy in our food from? Why is recycling important?

10. Scoring Key:

Did the student mention five biotic factors? Did they mention 5 abiotic factors? Was there meaningful relation to the student's life? Were the connections realistic?