

Life Science Grade 4 Quiz

Teacher's Answer Key

1. Describe the function of each plant part below:

- Root: *takes in water and nutrients.*
- Stem: *transports water and nutrients.*
- Leaf: *allows for photosynthesis and transpiration. (takes in sunlight and lets out water!)*
- Flower: *attracts animals to help plants reproduce.*

2. What is the primary source of matter and energy in most food chains? *Plants.*

3. What is grafting, and how it is useful? *Grafting is when a tree branch is cut off and replaced with a branch of a different tree. It allows growers to produce a tree with more than one type of fruit. Some fruit have no seeds and cannot reproduce naturally, so people use grafting to help with this.*

4. What are parts of the eco system, and give examples of each. *Water, producers, decomposers, consumers. Water-precipitation from rain water; producers-fruit; decomposers-fruit flies; predators- insects.*

5. Name four types of consumers. *Herbivores, carnivores, omnivores, and decomposers.*

6. Give an example of how living organisms need each other to survive. *Answers will vary.*

7. Do most bacteria cause disease? *No, most do not and in fact many are beneficial.*

8. What are three types of worms, and how can you tell them apart? *Flat, round, segmented. Flat worms have an incomplete digestive system and no body cavity; round worms have a body cavity and a complete digestive system; and segmented worms have a body cavity and repeating segments.*

9. Why would you want worms in your garden? *They churn the soil; they decompose plant matter into fertilizer; they dig tunnels allow roots to plant themselves more easily.*

10. What do decomposers do? *Decomposers eat plant matter and turn it into waste, thereby decomposing the plant.*

11. What is a carnivorous plant? *A plant that gets its energy from insects.*

12. How do predators and prey change over time? *They develop physical traits and behaviors to help them survive (ie eat or avoid being eaten).*

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