

Lesson Quiz A

LESSON 3

Exploring Life

Matching

Directions: *On the line before each definition, write the letter of the term that matches it correctly. Each term is used only once.*

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| <p>_____ 1. uses light and one or more lenses to make an object appear larger than it really is</p> <p>_____ 2. a light microscope that uses more than one lens to make an object appear larger than it really is</p> <p>_____ 3. uses a magnetic field and a beam of electrons to make an object appear larger than it really is</p> | <p>A. compound microscope</p> <p>B. electron microscope</p> <p>C. light microscope</p> |
|---|---|

Multiple Choice

Directions: *On the line before each question, write the letter of the correct answer.*

- _____ 4. Which kind of microscope is best for observing the movement of a live cell?
- A.** SEM
B. TEM
C. compound
- _____ 5. Which kind of microscope is best for studying the details on an object's surface?
- A.** light
B. SEM
C. TEM
- _____ 6. Which statement best describes a transmission electron microscope (TEM)?
- A.** Electrons pass through an object.
B. Multiple lenses pass through an object.
C. Electrons bounce off the surface of an object.

Short Answer

Directions: *Respond to the statement on the lines provided.*

- 7. Explain** how microscopes change people's ideas about living things.
