

SECTION 1-1 REVIEW

THE WORLD OF BIOLOGY

VOCABULARY REVIEW Define the following terms.

1. development _____

2. reproduction _____

3. organ _____

4. tissue _____

MULTIPLE CHOICE Write the correct letter in the blank.

- _____ 1. Biology is the study of
 - a. animals.
 - b. plants and animals.
 - c. all living things.
 - d. energy transfer.
- _____ 2. A short segment of DNA that contains instructions for the development of a single trait of an organism is known as a
 - a. DNA loop.
 - b. gene.
 - c. library.
 - d. membrane.
- _____ 3. As the cells in a multicellular organism multiply, they become specialized for different functions in a process called
 - a. sexual reproduction.
 - b. descent with modification.
 - c. photosynthesis.
 - d. cell differentiation.
- _____ 4. Homeostasis refers to the
 - a. organization of cellular structures.
 - b. stable level of internal conditions in organisms.
 - c. organized structure of crystals.
 - d. destruction of tropical rain forests.
- _____ 5. Photosynthesis is part of a plant's
 - a. metabolism.
 - b. homeostasis.
 - c. development.
 - d. response to stimuli.

SHORT ANSWER Answer the questions in the space provided.

1. Explain why the cell is called the basic unit of life. _____

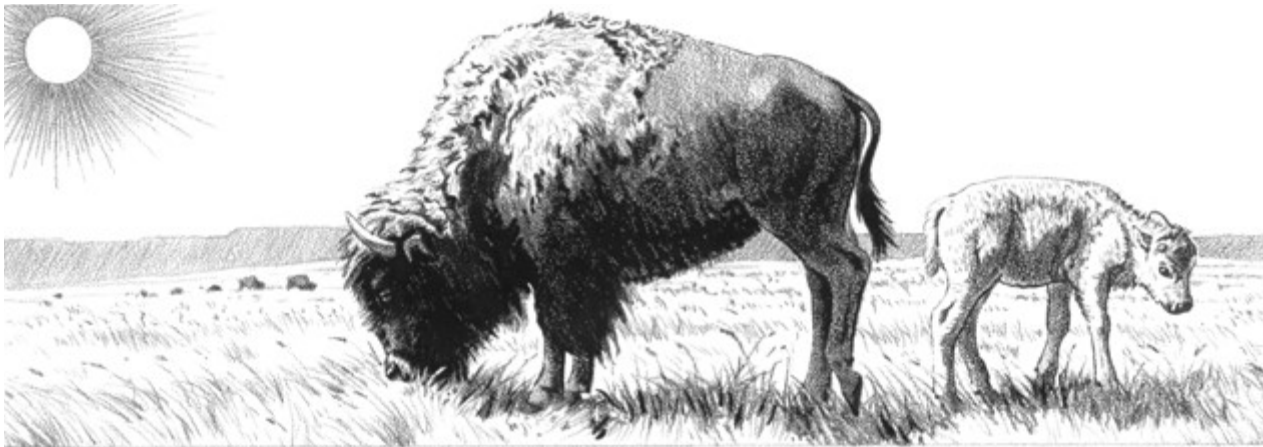
2. Give a specific example of homeostasis. _____

3. Why is it important to study biology? _____

4. Contrast the reproduction of bacteria with that of frogs. _____

5. **Critical Thinking** The organization of a rock is much simpler than that of living things.
By what other criteria can a rock be distinguished from living things? _____

STRUCTURES AND FUNCTIONS Explain how the drawing below illustrates the characteristics of life.



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