



Chapter Review

Exploring and Classifying Life

Part A. Vocabulary Review

Directions: *Unscramble the letters to form the correct word for each definition.*

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|-------|---------------------------|--|
| _____ | 1. smirsogna | —living things |
| _____ | 2. clesl | —smallest units carrying on life functions |
| _____ | 3. nobimali nmclaoenture | —naming system developed by Linnaeus |
| _____ | 4. gomnikd | —the first and largest category in the classification used today |
| _____ | 5. wal | —a statement about how things work in nature |
| _____ | 6. shamestoiso | —ability to maintain a steady condition |
| _____ | 7. ynyhpolge | —history of how an organism has changed over time |
| _____ | 8. snuge | —groups of similar species |
| _____ | 9. stenopausno reonigtean | —the idea that living things come from nonliving things |
| _____ | 10. snibgiesoe | —idea that living things come only from other living things |
| _____ | 11. ceitsniicf demstoh | —organized steps to solve a problem |
| _____ | 12. spetysohik | —prediction that can be tested |
| _____ | 13. bavelria | —what is being tested in an experiment |
| _____ | 14. lortnoc | —standard used to compare the test materials |
| _____ | 15. royeht | —an explanation based on many observations |

Directions: *Complete the following sentences using the terms listed below. Some terms may not be used.*

**law
botany**

**critical thinking
volume**

**measurement
experiment**

- _____ is a process that uses certain skills to solve problems.
- A scientific _____ is a rule that tells us how nature works.
- The International System of Units (SI) is a system of _____.
- To measure the _____ of a small amount of liquid you might use a graduated cylinder.
- Scientists often perform a(n) _____ to test a hypothesis under controlled conditions.

Chapter Review (continued)**Part B. Concept Review**

Directions: Complete the following sentences using the correct terms.

1. People once believed that living things came from nonliving matter, an idea called _____.
2. Redi's experiment showed that _____ hatch from eggs of flies, not from meat.
3. An experiment by Pasteur showed that living things do not come from _____ things.
4. The theory of _____ replaced the theory of spontaneous generation.
5. Oparin's hypothesis suggested that early Earth's atmosphere lacked _____.
6. Miller and Urey showed that substances in _____ things could be made from nonliving things in the environment.
7. Evidence suggests that life began on Earth sometime between 4.6 billion and _____ years ago.
8. List the metric units used to measure the following examples.
 - a. length of a room: _____
 - b. large distances: _____
 - c. weight of a bag of flour: _____
 - d. weight of a pencil: _____
 - e. temperature of a sick child: _____
 - f. gallon of milk: _____

Directions: Answer the following questions on the lines provided.

9. Describe the features of living things.

10. How do living and nonliving things interact in the environment?
