

Name _____ Period _____

SECTION 4-1 The Plant Kingdom

1. What characteristics do all plants share? _____

2. What do plants need to live successfully on land? _____

Vocabulary

Use the word bank below to complete the following statements.

photosynthesis cell wall cellulose chlorophyll chloroplast
vacuole tissue cuticle gamete vascular tissue
fertilization zygote

3. A group of similar cells that perform a similar function is called a(n) _____.

4. An internal transportation system through which water and food move inside the plant is called _____.

5. The _____ is a structure inside a plant's cell in which food is made.

6. The process by which plants make food is called _____.

7. Plant cell walls are made mostly of _____.

8. When a sperm cell unites with an egg cell, _____ occurs.

9. A(n) _____ is a waxy, waterproof layer that covers the leaves of most plants.

10. A storage area in a plant cell is called a(n) _____.

11. The green pigment called _____ reflects most of the green light in the visible spectrum.

12. The _____ is a boundary that surrounds the cell membrane in plant cells.

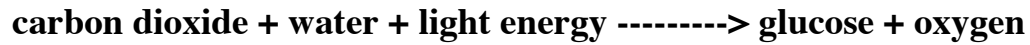
13. A(n) _____ is either a sperm cell or an egg cell.

14. A fertilized egg is called a(n) _____.

Name _____ Period _____

SECTION 4-2 Photosynthesis and Light

Use the equation below to answer the following questions.



1. What process is illustrated by the equation above? _____

2. What provides the energy to power this process? _____

3. What are the products of the process illustrated above? _____

4. What are the reactants of this process? _____

5. Now write the chemical equation for this process using the correct chemical formulas:
