

Unit: Plant Science

Name _____

Lesson 6: Photosynthesis and Respiration

Date _____

Evaluation

Correctly match the appropriate plant process with the description of that process.

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| ____ 1. The process through which water containing dissolved minerals enters the plant's hair roots | a. Photosynthesis |
| ____ 2. The movement of water and organic materials within the plant | b. Respiration |
| ____ 3. The process through which green plants convert carbon dioxide and water in the presence of light into simple sugar (food) | c. Water absorption |
| ____ 4. The breakdown of glucose, releasing energy for plant growth, and other metabolic processes or chemical reactions occurring within the cell | d. Translocation |
| ____ 5. The loss of water by evaporation primarily from the leaf surface | e. Transpiration |

Circle the letter that corresponds to the best answer.

6. In the process of manufacturing food, plants require water, light energy, and
 - a. Oxygen
 - b. Glucose
 - c. Carbon dioxide
 - d. Energy
7. Respiration produces carbon dioxide, water, and
 - a. Oxygen
 - b. Glucose
 - c. Carbon dioxide
 - d. Energy
8. Plants contribute to air quality because they
 - a. Provide a source of carbohydrates to humans
 - b. Use light energy to produce food
 - c. Produce oxygen as a by-product
 - d. Have chlorophyll in their cells