

Name: _____

Photosynthesis Test

PART 1

Instructions for items numbers 1 to 6: Match the terms (words on the left) to their most accurate description (phrases on the right). Type the letter answer in the space with the line next to the term. The first one has been done for you.(5 marks)

Terms	Description
1. <u> C </u> Photosynthesis	A. The place where Photosynthesis takes place in plants.
2. <u> </u> leaves	B. What gas is released from a plant after Photosynthesis takes place? Humans breathe in this gas.
3. <u> </u> oxygen	C. The process in which green plants make their own food.
4. <u> </u> glucose	D. Which gas is needed by the plant for Photosynthesis?
5. <u> </u> carbon dioxide	E. The sugar made from Photosynthesis.
6. <u> </u> chlorophyll	F. The green pigment in plant that captures sunlight.

PART 2

Instructions for items numbers 7 to 13. Use the words from the word bank below to fill in the blank spaces to complete the sentences. Type the word in the space with the line(use common letters). Each word can ONLY be used once. The first one has been done for you as an example. (8 marks)

Word Bank			
energy	oxygen	food	hydrogen
survive	sunlight	chlorophyll	starch
insoluble	soluble	carbon dioxide	move

7. During Photosynthesis plants make their own **food** .
8. Glucose gives the plant _____ used in respiration so that it can grow and repair itself.
9. Plants contain a pigment called _____ which make the plant appear green.
10. The chlorophyll in leaves absorbs _____. This allows oxygen to be split into water and _____.
11. Plants and animals need each other to _____ on Earth.
12. During Photosynthesis, the gas _____ is released into the air.

13. Much of the glucose is stored as _____ in the plant after it is made by Photosynthesis. This is because starch is _____ and cannot be washed out of the plant.

PART 3: Multiple Choice

Select the correct letter and place in the space provided. Use Capital letters

1. What is photosynthesis?
 - A. When carbon dioxide comes out of a plant
 - B. The process of how a plant makes food.
 - C. When sunlight and oxygen make food
 - D. When rain water enters a plant
2. What two things do plants make in photosynthesis?
 - A. Water and sunlight
 - B. Sunlight and carbon dioxide
 - C. Sugar and carbon dioxide
 - D. Glucose and oxygen
3. How does water reach the plant's leaves?
 - A. Into the leaves, up the stem, and through the stomata
 - B. Up the stem, into the roots, into the leaves
 - C. In the leaves, up the stem, into the roots
 - D. Into the roots, up the stem, and to the leaves

4. The small holes in the plant's leaves that take in carbon dioxide are called the _____.

- A. Carbon dioxide
- B. Stomata
- C. Chloroplasts
- D. Stem

5. Chlorophyll makes the plant appear which color?

- A. White
- B. Yellow
- C. Green
- D. Brown

6. What is chlorophyll responsible for?

- A. Taking in water
- B. Taking in sunlight
- C. Taking in carbon dioxide
- D. Taking in oxygen

7. Where does photosynthesis take place?

- A. Leaves
- B. Carbon dioxide
- C. Oxygen
- D. Flower petals

8. What three (3) things does a plant need for photosynthesis?
- A. Carbon dioxide, sunlight, and soil
 - B. Carbon dioxide, sunlight, and oxygen
 - C. Water, sunlight, and oxygen
 - D. Carbon dioxide, water, and sunlight
9. Plants make _____ for people and animals to breathe.
- A. Glucose
 - B. Oxygen
 - C. Carbon Dioxide
 - D. Stomata
10. The most important thing a plant needs for photosynthesis is
- A. Sunlight
 - B. Soil
 - C. Oxygen
 - D. Vitamins
11. All of the following are conditions needed for Photosynthesis **except**
- A. Sunlight
 - B. Carbon dioxide
 - C. oxygen
 - D. Chlorophyll

