

PHOTOSYNTHESIS

___ absorbed
___ air
___ alive
___ carbon dioxide
___ chlorophyll
___ chlorophyll
___ decreasing
___ energy
___ food
___ glucose
___ leaves
___ life
___ living things
___ minerals
___ mushrooms
___ oxygen
___ phloem
___ photosynthesis
___ pigment
___ plant
___ produce
___ producers
___ released
___ replenish
___ roots
___ stomata
___ sugar
___ sun
___ sunlight
___ water
___ water
___ xylem

1. In green plants _____ is the process by which chlorophyll changes sunlight, carbon dioxide, and water into _____, a sugar.
2. During photosynthesis, green plants not only produce food, but they also produce _____, which all people, animals, and fish need to live.
3. Green plants use the glucose as _____ and release the oxygen into the _____.
4. Photosynthesis takes place in the _____ of living green plants.
5. Without photosynthesis, _____ on earth or in the oceans could not exist.
6. Cutting down trees in the rain forests is depleting or _____ the amount of oxygen in the air!
7. The following ingredients are necessary for green plants to carry out photosynthesis:
 - (1) Only green plants can carry out the process of photosynthesis because green plants contain _____, a substance no other plant or animal contains.
 - (2) Chlorophyll is a _____ found only in the leaves of green plants that makes them look green.
 - (3) Chlorophyll has the ability to trap the _____ of sunlight.
 - (4) Photosynthesis can only happen in green plants and in the presence of _____.
 - (5) Green plants absorb _____, a gas in the air, through the leaves.
 - (6) Combined with _____ and _____ from the soil, green plants produce glucose, a _____ that is used to produce energy in green plants.
8. Green plants are called _____ by scientists because during photosynthesis they _____ glucose and oxygen.
9. The _____ provides the power (energy) for photosynthesis.
10. There are tiny openings in the leaves, called _____, in which oxygen is _____ and carbon dioxide is _____.
11. _____ cannot produce their own food because they have no _____ in their cells.
12. Mushrooms must live off other _____.
13. Water and minerals move up the stem from the _____ to the leaves through tubes made of _____.
14. Xylem carries _____ to the leaves.
15. _____ carries food from the leaves to other parts of the plant.
16. Which would eat sugar?
 - ① bison
 - ② rabbit
 - ③ plant
 - ④ hawk
 - ⑤ cat
17. Green plants keep humans, fish, and all other animals _____.
18. Air would be unbreatheable if plants did not continually _____ it with oxygen.