

PHOTOSYNTHESIS

ACROSS

6. Tissue in plants that moves sugar downward from the leaves.
8. The substance plants take from the air during photosynthesis.
9. The process that takes place in a plant in which air, sunlight, and carbon dioxide are made into sugar and oxygen.
11. The gas that plants release during photosynthesis.
13. Photons from the sun provide the plant with this.
16. Organisms that breathe in oxygen and breathe out carbon dioxide.
17. The structure in a plant that contains chlorophyll and in which photosynthesis takes place.
18. Small pores on the leaf or stem of a plant that allow movement of gases in and out.
19. The material within a living cell, excluding the nucleus.

DOWN

1. A green pigment, present in all green plants, that is responsible for the absorption of light to provide energy for photosynthesis.
2. Along with energy from the sun and carbon dioxide from the air, what is the third essential "ingredient" of photosynthesis?
3. The process by which animals breathe in oxygen and release carbon dioxide.
4. The name of the sugar that the plant makes during photosynthesis.
5. Cell structure where glucose is broken down to make energy.
7. Organisms that use water and carbon dioxide to make glucose in the process known as photosynthesis.
10. Glucose, sucrose, and fructose are examples of this.
11. The color of chlorophyll.
15. Plants use energy from this source.
16. The tissue in plants that moves water and nutrients upwards from the roots.

