

Biology Worksheet 1

Name: _____

Date: _____

Plant Nutrition

Multiple Choice Question

1. Photosynthesis is
 - a.the green material in plants that traps energy from sunlight and uses it to break down water molecules into atoms of hydrogen and oxygen.
 - b.the growth tissue that produces the xylem and phloem.
 - c.the process by which green plants use chemicals from the environment and energy from the Sun to make their own food.
2. Photosynthesis is an instance of
 - a.homeostasis.
 - b.reproduction.
 - c.metabolism.
 - d.growth and development.
3. The first step in photosynthesis is the
 - a.absorption of light energy.
 - b.synthesis of water.
 - c.production of oxygen.
 - d.formation of ATP.
4. In a typical plant, which factor is NOT necessary for photosynthesis?
 - a.chlorophyll
 - b.light
 - c.oxygen
 - d.carbon dioxide
5. Oxygen made during photosynthesis results from the
 - a.absorption of light.
 - b.splitting of water molecules.
 - c.mitochondrial membranes.
 - d.splitting of carbon dioxide molecules.

6. Many plants are excellent at photosynthesis because they
- a. have few mesophyll cells in their leaves.
 - b. are equipped with many leaves that have many mesophyll cells, which in turn have many chloroplasts.
 - c. are able to transform light energy into heat energy for cellular work.
 - d. can carry out photosynthesis in their roots, stems, flowers as well as their leaves.