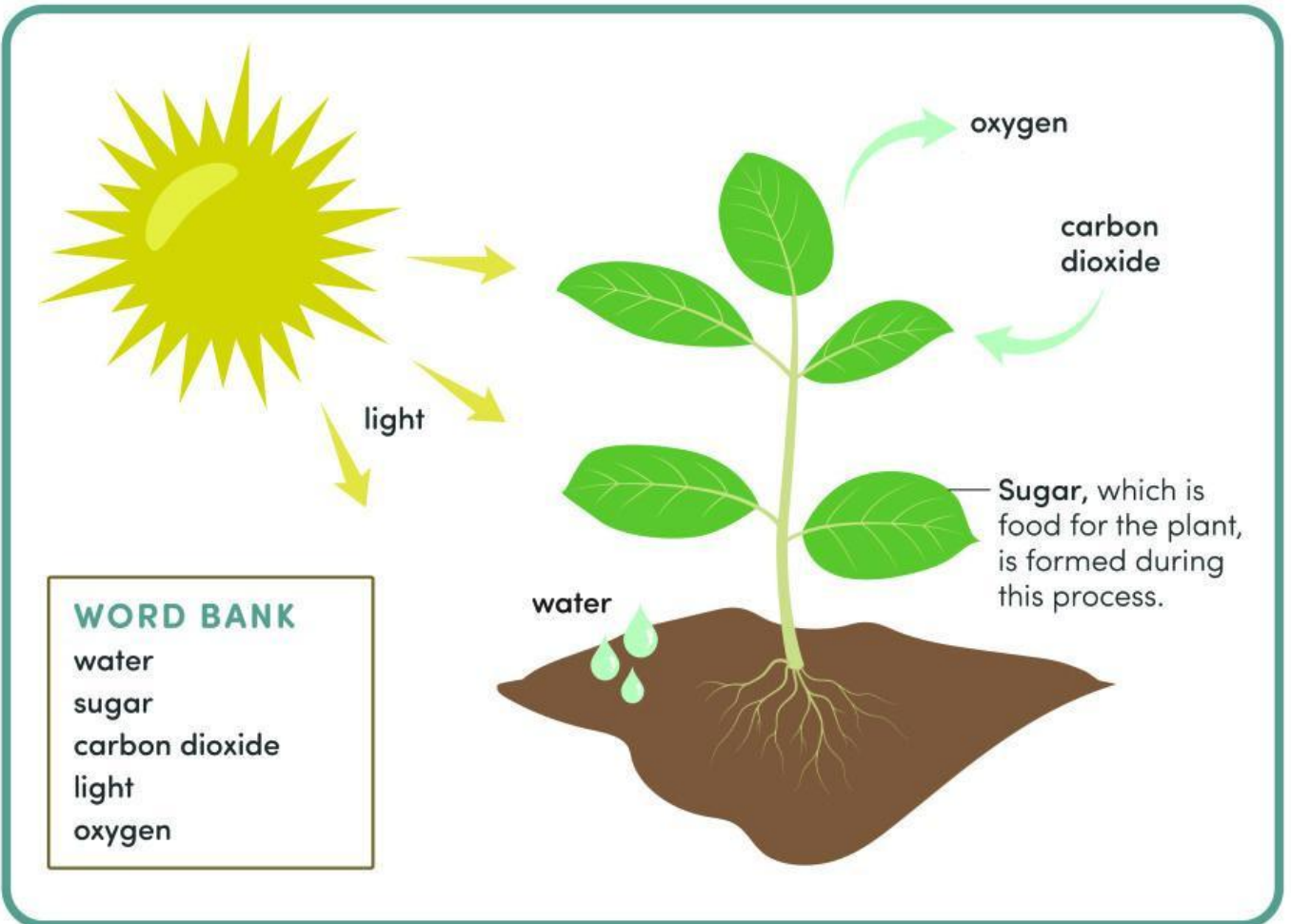


Name _____ Date _____

What Is Photosynthesis?

Look at the diagram of photosynthesis. Then use the word bank to complete the sentences.



Photosynthesis is a process in which plants use _____
from the sun to convert _____ from the air
and _____ from the soil into _____ to
feed the plant. During this process, the plant releases _____
into the air as a waste product.

Photosynthesis

Use the word bank below to fill in the empty spaces in the paragraph to the right.

WORD BANK

CARBON DIOXIDE

CHLOROPHYLL

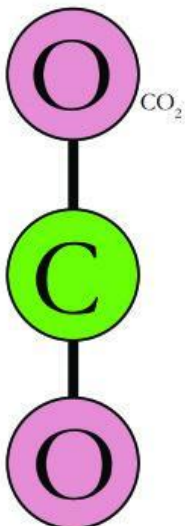
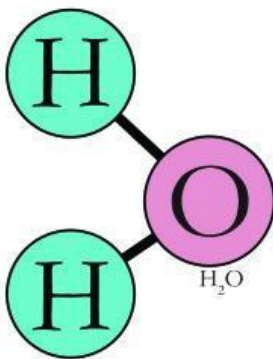
GLUCOSE

FOOD

LIGHT

BREATHING

WATER



Photosynthesis is a process where plants create their own using sunlight.

Plant leaves absorb red and blue into their leaves, reflecting green light. This is why most plants are green in color. A chemical called is found inside most plant cells. This is the substance that absorbs sunlight.

Meanwhile, plants are absorbing (H_2O) through their roots and storing it within their cells. When the sunlight hits the water molecules, the water breaks apart into hydrogen and oxygen.

Plants also take (CO_2) in through holes in their leaves, called stomata. This is a plant's way of . When the carbon dioxide combines with hydrogen, a type of sugar called is formed. This is a plant's food, and it uses this energy to live and grow. The extra oxygen molecules are released back into the atmosphere.