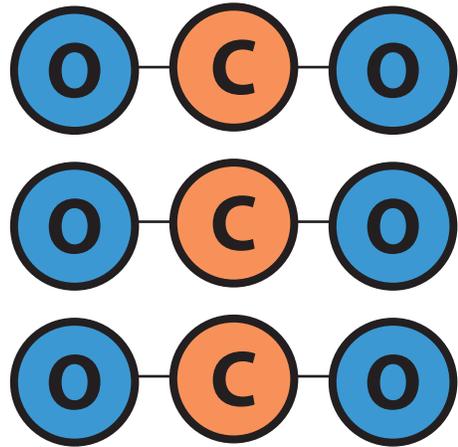
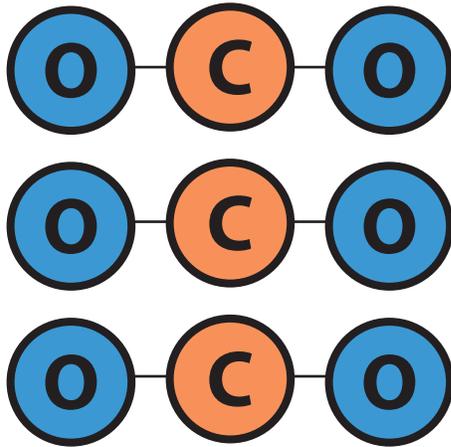


Molecules

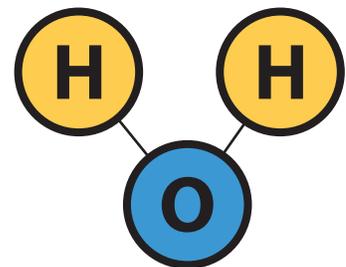
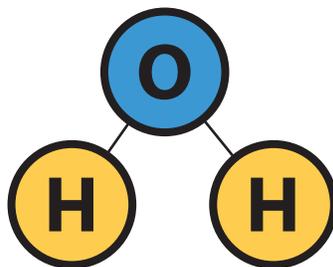
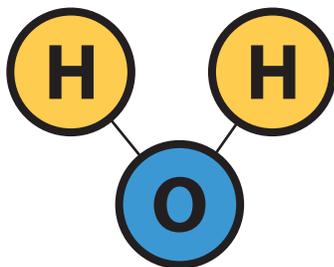
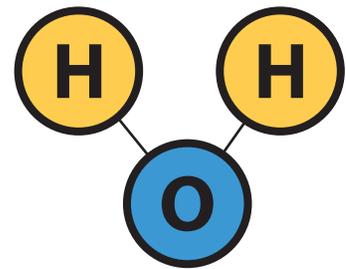
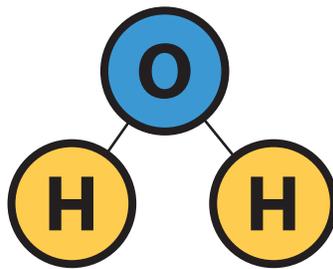
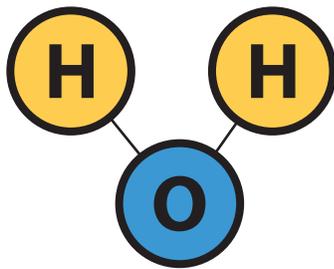
Name _____

Cut apart the carbon dioxide molecules and the water molecules into separate atoms.

Carbon dioxide (CO₂) molecules—each carbon dioxide molecule is made of one atom of carbon (C) and two atoms of oxygen (O).



Water (H₂O) molecules—each water molecule is made of 2 atoms of hydrogen (H) and 1 atom of oxygen (O).



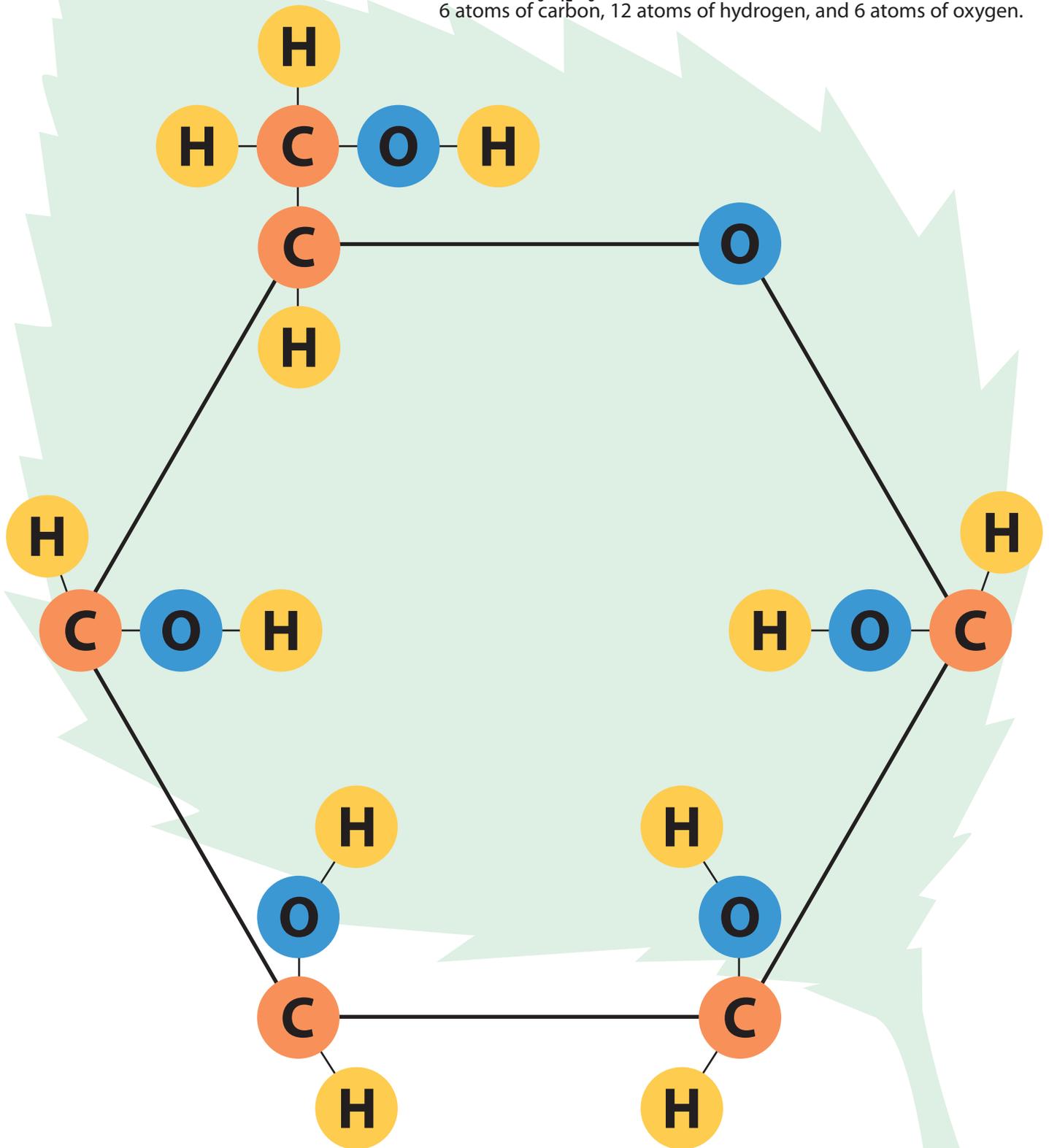
Photosynthesis

Name _____

Photosynthesis uses atoms from carbon dioxide and water to produce sugar and oxygen.

Place atoms of carbon (C), hydrogen (H), and oxygen (O) on the leaf to show the atoms from carbon dioxide and water used to produce a sugar molecule.

Sugar ($C_6H_{12}O_6$) molecules—each sugar molecule is made of 6 atoms of carbon, 12 atoms of hydrogen, and 6 atoms of oxygen.



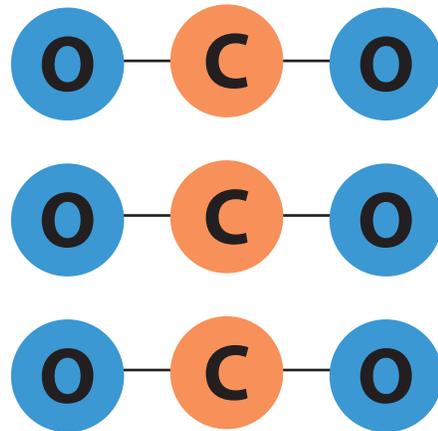
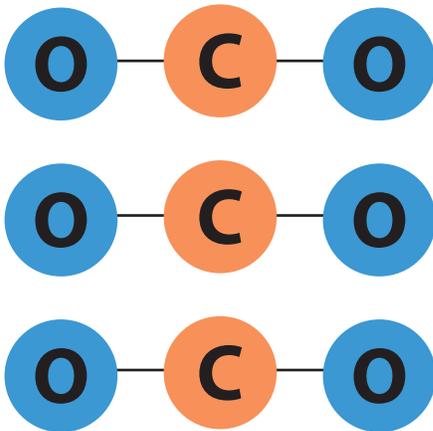
Respiration

Name _____

Respiration uses atoms from sugar and oxygen to produce energy, carbon dioxide, and water.

Use the carbon (C), hydrogen (H), and oxygen (O) from the sugar molecule and the extra oxygen (O) to form carbon dioxide molecules and water molecules.

Carbon dioxide (CO₂) molecules—each carbon dioxide molecule is made of one atom of carbon (C) and two atoms of oxygen (O).



Water (H₂O) molecules—each water molecule is made of 2 atoms of hydrogen (H) and 1 atom of oxygen (O).

