## **FILL IN THE BLANK**

1. Diatoms are tiny, single-celled organisms that live in
water.
2. Diatoms are Phytoplankton, which means they are photosynthetic
and float in the water.
3. A chemical reaction happens inside green structures inside diatoms called
chloroplasts  4. This chemical reaction is called photosynthesis, in which plants and other organisms like diatoms use energy from the
other organisms like diatoms use energy from theSuh to make food.
5. In addition to energy from the sun, diatoms have to take in
carbon dioxide The chemical formula for this is
because one molecule contains a carbon atom and two oxygen atoms.
6. Diatoms also have to take in The chemical formula
for this is H20because one molecule contains two hydrogen atoms and one
oxygen atom.
7. The purpose of this chemical reaction is to create food for the diatom in the form of
formula for this is, which is a simple The chemical as one molecule contains six carbon
formula for this is, as one molecule contains six carbon
atoms, twelve hydrogen atoms and six oxygen atoms.
8. The food created by the diatom can be converted into energy through a chemical reaction
called <u>Cellular respiration</u>
9. 0xygen is released as a byproduct of photosynthesis. The chemical
formula for this is one molecules contains two oxygen atoms.
10. Diatoms play an important role in the Earth's cycle, as diatoms take
in the carbon dioxide released by ocean creatures, humans, and the burning of fossil fuels.
Then diatoms release the oxygen we all need to breathe!