

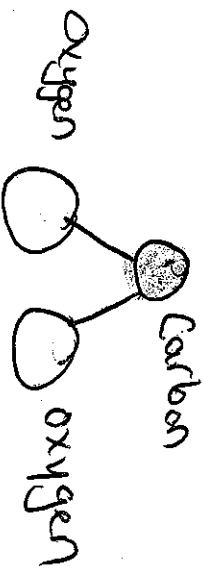
Chapter 10 Quiz Review

Key

1. What are the 3 main parts of an atom, and their charge (positive, negative, or neutral)?

Proton - Positive
Neutron - Neutral
Electron - negative

2. Draw the compound Carbon Dioxide (CO₂). Draw the Carbon atom blue and Oxygen atoms yellow.



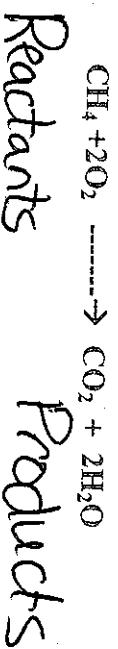
3. List examples for each box.

Physical Property	Chemical Property
State mass density color size shape volume melting point boiling point	ability to rot ability to rust ability to burn ability to change color
Physical Change	Chemical Change
melting freezing cutting carving change of state	burning bubbling change in smell (odor) change in color change in energy
breaking tearing	

4. You have a solution of sugar water with a mass of 193 grams. The sugar that you added has a mass of 87 grams. What is the mass of the water before the sugar was added?

$$193\text{g} - 87\text{g} = \underline{106\text{grams}}$$

5. In the following chemical reaction identify the REACTANTS and the PRODUCTS:



6. Dry ice undergoes SUBLIMATION. Describe what happens during sublimation.

A solid changes directly to a gas.