**Cycles of Matter Worksheet** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fill in the blanks as we look at the Power Point.

**The Water Cycle**

1. The Water cycle is the movement of water between \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, atmosphere,\_\_\_\_\_\_\_\_\_\_\_\_ and living things.
2. Evaporation comes from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ oceans, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Evaporation is when water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. Condensation is when water vapor (\_\_\_\_\_\_\_\_\_\_) cools and turns to liquid \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. The droplets are very \_\_\_\_\_\_\_\_\_\_\_\_\_. They \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ together and form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. Condensation occurs in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. Precipitation is rain, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. Once there are a lot of tiny \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ they begin to get heavy.
9. Eventually those water droplets \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the ground as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ plants give off water through tiny holes in their leaves.
11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when animals sweat - the water evaporates from our skin to cool us off.
12. Plants don't sweat, they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
13. The water from sweat and transpiration becomes part of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**The Carbon Cycle**

1. The carbon cycle is the exchange of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ between the environment and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ things.
2. All living things are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - that means that they have carbon in them.
3. The carbon cycle moves carbon from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ things, into the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the environment and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into living things.
4. Animals (like \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) breathe in air to get oxygen. When they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ they release \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dioxide.
5. Animals also add carbon into the soil when we \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. Plants \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the air to get carbon dioxide. When they exhale (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) they release \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. When plants die they release all of their carbon into the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. Plants use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to create energy from the sun.
9. Photosynthesis uses \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to make sugar.
10. Something is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ if it has carbon in it. All living things are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
11. Animals breathe (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) and release carbon dioxide.
12. All living things release \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when they die and decompose.
13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ are organic too!
14. Coal oil and natural gas comes from once \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ things.
15. Together they are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
16. Fossil fuels are made from very old \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that got stuck inside the earth.
17. Since fossil fuels are all made from carbon, they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
18. Human beings use the organic fossil fuels to create energy by burning them. Burning anything is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
19. It releases \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the atmosphere.
20. We are burning so many \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that we are causing global warming.