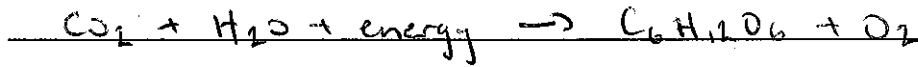


## Worksheet

1. Write down the chemical formula for photosynthesis (in either words or formulas). \_\_\_\_\_



2. Write down the chemical formula for respiration (in either words or formulas). \_\_\_\_\_



3. Explain the importance of decomposers in the carbon cycle. they break down  
dead organic matter and return the elements  
to the carbon cycle

4. What three elements are carbohydrates made from? Carbon, hydrogen,  
oxygen

5. Explain how deforestation, fire, and combustion of fossil fuels disrupt the balance between photosynthesis and respiration. \_\_\_\_\_

deforestation - less trees, less carbon removed from air  
fire } both add carbon to air  
fossil fuels }

6. What are some of the obstacles that stand in the way of reducing human disruption of the carbon cycle? not willing to give up our conveniences

7. Some Canadians are not concerned about global warming. How would you respond to someone who thinks global warming would be great because it would make our winters shorter and not as cold? \_\_\_\_\_