Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Composting Pre-Assessment**

1. What is composting?
2. Put a check next to all of the things listed below that CAN be composted.

\_\_\_ grass clippings

\_\_\_ fallen tree branches

\_\_\_ leaves

\_\_\_ weeds from lawn

\_\_\_newspaper

\_\_\_ old school paper

\_\_\_ gift wrapping paper

\_\_\_ cardboard

\_\_\_ plastic bags

\_\_\_ plastic forks

\_\_\_ vegetable peels

\_\_\_ apple core

\_\_\_ coffee grounds

\_\_\_ whole rotten banana

\_\_\_ old chocolate cake

1. Indicate if the following statements are true (*T*) of false (*F*).

\_\_\_\_ Composting will reduce the amount of trash going to a landfill.

\_\_\_\_ Composts smell bad.

\_\_\_\_ All compostable materials can be added in any amounts to produce good compost.

\_\_\_\_ Composts produce no greenhouse gases.

\_\_\_\_ Understanding the chemical reactions that occur in a compost will help you compost efficiently.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Balance the two chemical equations below:
   1. \_\_\_C6H12O6 + \_\_\_O2 🡪 \_\_\_CO2 + \_\_\_H2O + energy
   2. \_\_\_C6H12O6 🡪 \_\_\_C3H6O3 + \_\_\_H2O + energy
2. Which of the two equations above would be classified as **anaerobic**? \_\_\_\_\_\_\_\_
3. How many moles are in 50.0g of carbon?
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