



## Composting and Vermiculture Student Worksheet

1. Describe how composting works and why it is important.
2. Use the word bank to match the words to the different phases of the energy cycle.

<b>WORD BANK:</b> Producer                      Consumer                      Decomposer
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\_\_\_\_\_ Breaks down organic matter

\_\_\_\_\_ Produces own food

\_\_\_\_\_ Eats other things

3. Give an example of each of the following

Producer \_\_\_\_\_

Consumer \_\_\_\_\_

Decomposer \_\_\_\_\_

4. Below is a list of items. Use "Yes" or "No" to identify if each item should or should not go into a compost pile.

\_\_\_\_\_ Grass clippings                      \_\_\_\_\_ Meat                      \_\_\_\_\_ Chicken

\_\_\_\_\_ Vegetable scraps                      \_\_\_\_\_ Dry leaves                      \_\_\_\_\_ Pasta

\_\_\_\_\_ Egg shells                      \_\_\_\_\_ Candy                      \_\_\_\_\_ Crackers

## Vermiculture

1. In the space below describe Vermiculture:

2. Use "Yes" or "No" to identify if each item should or should not go into a compost pile.

\_\_\_\_\_ Apple core

\_\_\_\_\_ Tea Bag

\_\_\_\_\_ Steak

\_\_\_\_\_ Coffee grounds

\_\_\_\_\_ Sandwich crust

\_\_\_\_\_ Lettuce

\_\_\_\_\_ Pepperoni Pizza

\_\_\_\_\_ Orange Peel

\_\_\_\_\_ Eggshells

\_\_\_\_\_ Newspaper

\_\_\_\_\_ Banana peel

\_\_\_\_\_ Cookies

\_\_\_\_\_ Chips

\_\_\_\_\_ Rice

\_\_\_\_\_ Paper

\_\_\_\_\_ Napkin

\_\_\_\_\_ Carrots

3. Imagine the world without decomposers. What would change? How would it affect the energy cycle?