**Chemical Reactions of Composting**

**PART 1:** Conduct some initial research with your group to learn more about the two major processes that take place to decompose waste in a compost.

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| ***Aerobic Respiration*** |  | ***Anaerobic Respiration*** |
| * Use of oxygen? * Chemical reaction (overview of process) * More or less energy than anaerobic? | Things both types have in common: | * Use of oxygen? * Also called: * Two major types: * More or less energy than aerobic? |

**PART 2:** Applying this knowledge to composting

1. Which type of respiration is ideal in composting?
2. What are some of the desirable outcomes (evidence that the correct type of respiration is taking place)?
3. What are some of the undesirable outcomes (evidence that the incorrect type of respiration is taking place)?
4. What should we do to ensure the correct type of respiration is taking place? State 2-3 action steps we can take when composting.