**Photosynthesis:**

1) Where specifically does photosynthesis occur? (What type of cell? What organelle in that cell?

2) What materials are needed for photosynthesis to occur? (Think about this as what materials go into photosynthesis.)

3) What materials does photosynthesis create or produce?

4) What is the formula for photosynthesis?

5) Why is photosynthesis necessary to sustain life?

6) Defend this statement: Nothing is created or lost during the process of photosynthesis.

**Cellular Respiration**

1) Where specifically does cellular respiration occur? (What type of cell? What organelle in that cell?

2) What materials are needed for cellular respiration to occur? (Think about this as what materials go into cellular respiration.)

3) What materials does cellular respiration create or produce?

4) What is the formula for cellular respiration?

5) Why is cellular respiration necessary to sustain life?

6) Defend this statement: cellular respiration and photosynthesis are mirror processes. Both depend on each other.

**Fermentation**

1. In what part of the cell does fermentation take place?
2. When will fermentation take place? What process does it take the place of, and why?
3. What are the results of fermentation, including possible waste products?