**Activity: Glycolysis**

1. Explain why the phosphate end of ATP stores potential energy.

2. Which has more potential energy, ATP or ADP?

3. Write the overall reaction for cellular respiration.

4. What is the literal meaning of the word glycolysis?

5. Where in the cell do the glycolysis reactions take place?

6. How many ATP are used (changed to ADP) in the first half of glycolysis?

7. How many ATP are made from ADP in the second half of glycolysis?

8. What is the net gain of ATP for glycolysis?

9. How many molecules of pyruvic acid are made from a single molecule of glucose?

10. What molecule stores the high-energy electrons (and hydrogen) removed from glucose in glycolysis?