Honors Biology Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
NDHS Per: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Cellular Respiration Reading Guide
Pages 251 – 260**

1. What is the equation for cellular respiration?
2. What are the three main steps of cellular respiration? Which step yields the most energy?
3. What is the difference between aerobic and anaerobic respiration? Which of the three process of cellular respiration are aerobic and which are anaerobic?
4. What is the main process of glycolysis? Where does this occur in a cell? How many ATP molecules does it produce?
5. What is NAD+? Why is it used in glycolysis and the Kreb’s cycle?
6. What is the Kreb’s cycle? What is its other name? Where does it occur? How many ATP are produced for each turn of the Kreb’s cycle? For each glucose? How many times does the Kreb’s cycle turn for each glucose?
7. What is the ETC? Where does it get its energy? How many ATP are made?
8. How does the ETC make ATP?
9. How many ATP are made from each glucose molecule?