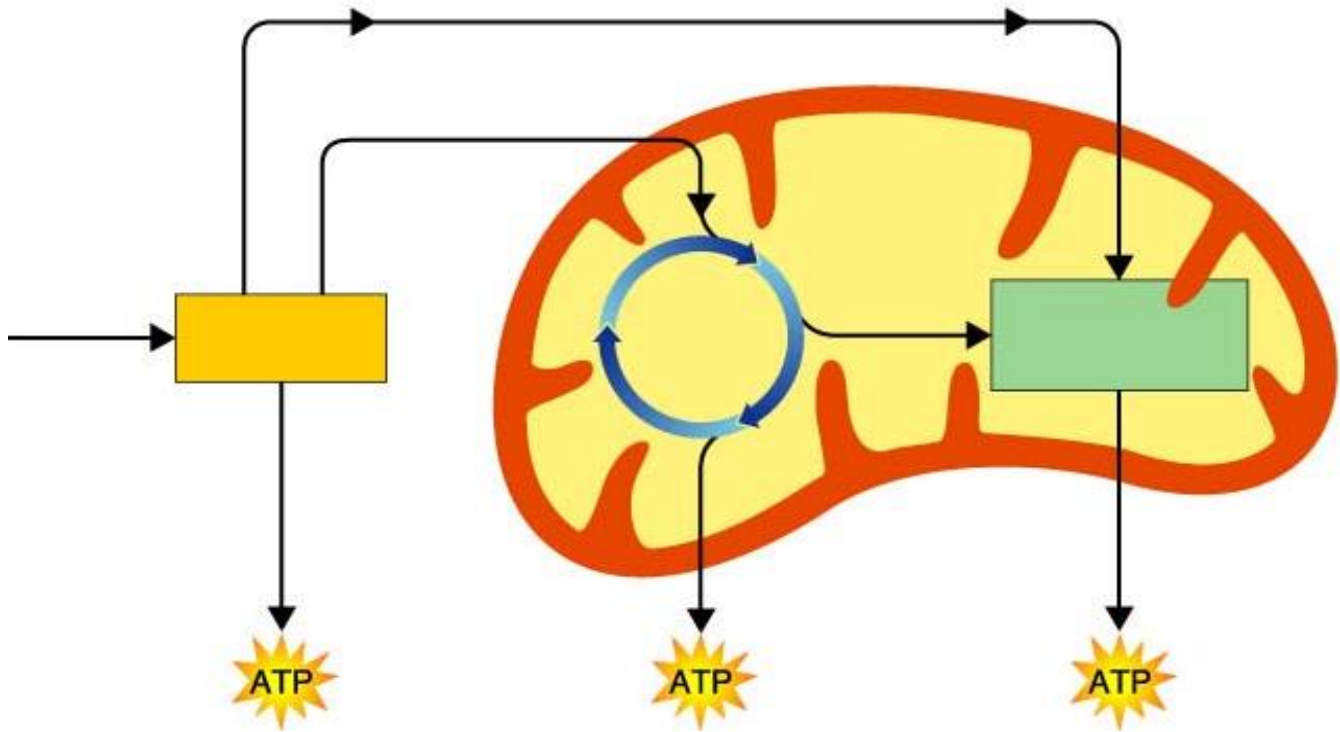


**Practice Worksheet!**  
**Fill in as much as you can from your own knowledge.**

**Cellular Respiration (aerobic respiration)**

1. What are the reactants in cellular respiration? \_\_\_\_\_
2. What are the products of cellular respiration? \_\_\_\_\_
3. What is the role of NAD<sup>+</sup> and FAD in cellular respiration? \_\_\_\_\_
4. What are the three stages of aerobic cellular respiration?
  - i. \_\_\_\_\_
  - ii. \_\_\_\_\_
  - iii. \_\_\_\_\_
5. Complete (label) the summary diagram below of cellular respiration. You are responsible for Knowing/memorizing the overall process pictured below!



**6. STAGE 1: Glycolysis**

- a. occurs where? \_\_\_\_\_
- b. starts with? \_\_\_\_\_
- c. produces? \_\_\_\_\_
- d. yields how much ATP? \_\_\_\_\_
- e. yields how many NADH? \_\_\_\_\_

**7. STAGE 2: The Krebs Cycle**

- a. occurs where? \_\_\_\_\_
- b. starts with? \_\_\_\_\_
- c. produces? \_\_\_\_\_
- d. yields how much ATP? \_\_\_\_\_
- e. yields how many NADH? \_\_\_\_\_
- f. yields how many FADH<sub>2</sub>? \_\_\_\_\_
- g. where does the carbon "go" that is removed as CO<sub>2</sub>? \_\_\_\_\_

**8. STAGE 3: The Electron Transport Chain**

- a. occurs where? \_\_\_\_\_
- b. starts with? \_\_\_\_\_
- c. produces? \_\_\_\_\_
- d. yields how much ATP? \_\_\_\_\_

9. Write the summary equation for cellular respiration:

- \_\_\_\_\_
- a. Where did the glucose come from? Where did it go? \_\_\_\_\_
  - b. Where did the O<sub>2</sub> come from? Where did it go? \_\_\_\_\_
  - c. Where did the CO<sub>2</sub> come from? Where did it go? \_\_\_\_\_
  - d. Where did the H<sub>2</sub>O come from? \_\_\_\_\_
  - e. Where did the ATP come from? \_\_\_\_\_