

Name: \_\_\_\_\_

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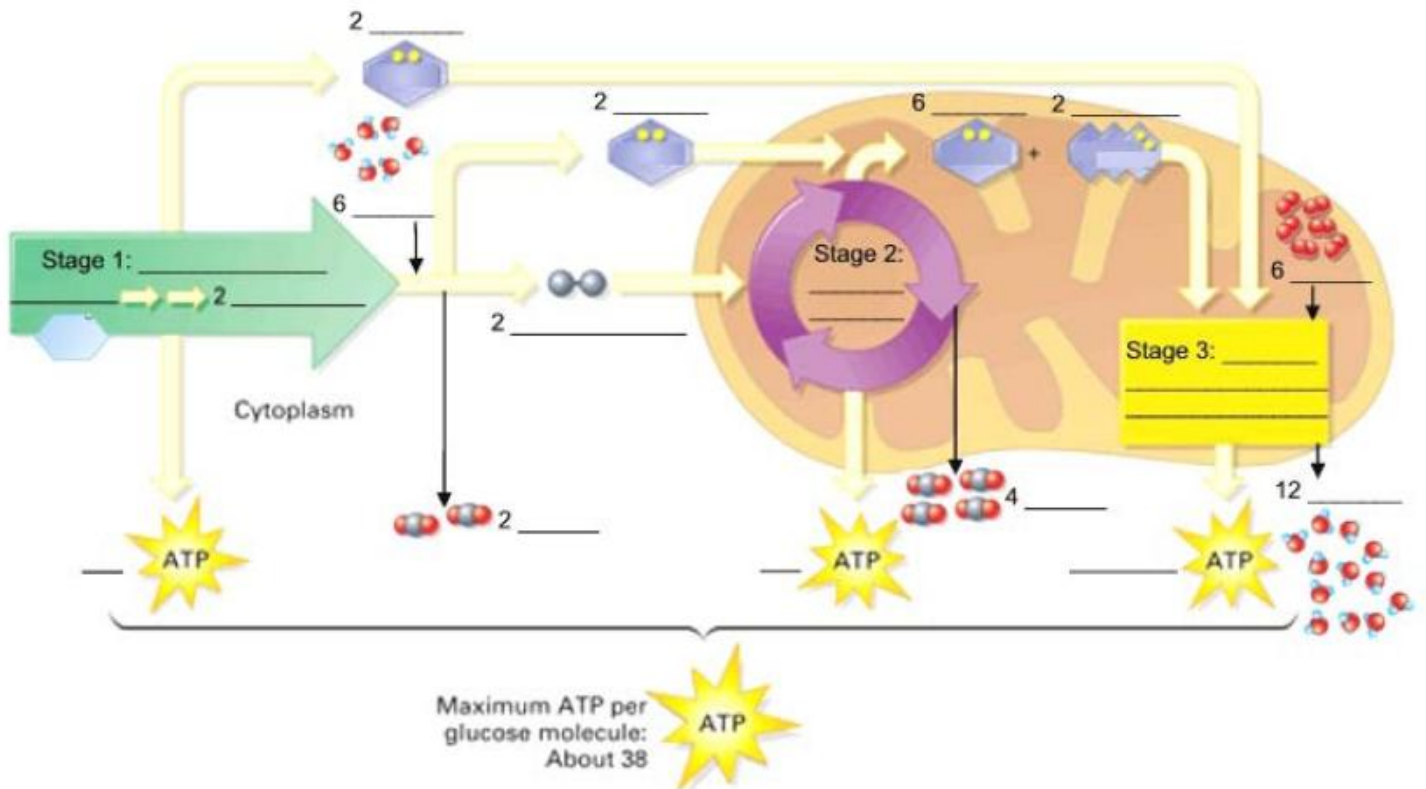
### Cellular Respiration Overview Worksheet Chapter 7: The Working Cell: Energy from Food

Directions: Use your notes, your textbook and/or the course website to fill in the following information.

#### Cellular Respiration Basics

1. Define Cellular Respiration
2. What organisms perform cellular respiration?
3. Where in the cell does cellular respiration occur? (which organelle)
4. What is the chemical equation for cellular respiration?
5. What is the equation in words for cellular respiration?
6. What are the reactants for cellular respiration?
7. What is the ultimate function of cellular respiration?

Fill in the blanks in the diagram below, using the figures from your textbook as a reference.



### An Overview of the Stages of Aerobic Cellular Respiration

Name of Stage	Location in Cell Where it Occurs	Reactants	Products
1.			
2.			
3.			

### ATP and Aerobic Cellular Respiration

Name of Stage	How many ATP does this stage "cost"?	How many ATP does this stage produce?	How many ATP does this stage "profit"?
1.			
2.			
3.			

### Anaerobic Cellular Respiration Basics

1. Anaerobic respiration is also called...
2. The fermentation process includes which stage that is also present in aerobic respiration?
3. What is the by-product of fermentation in humans?
4. What are the products of fermentation in yeast?
5. The absence of which substance will determine if a cell will undergo fermentation?

### ATP and Anaerobic Cellular Respiration

How many ATP does fermentation "cost"?	How many ATP does fermentation produce?	How many ATP does fermentation "profit"?