

Name: _____

Date: _____

Review Cellular Respiration

1. Complete the table below by filling in (1) the molecule going **IN** the reaction, (2) molecule(s) coming **OUT** of the reaction, and (3) molecules that are **CONVERTED**.

Stage of Cellular Respiration	IN	OUT	Converted		Location
			From	To	
Glycolysis	Glucose	2 Pyruvate	2 ATP 4 ADP 2 NAD ⁺	2 ADP 4 ATP 2NADH	Cytoplasm
Pyruvate Oxidation					
Krebs Cycle					
ETC/ Oxidative Phosphorylation					

2. What is the purpose of cellular respiration?
3. Why is oxygen necessary in a cell? Give a detailed explanation.
4. If oxygen is not available, what molecules accumulate (increases in concentration) and what molecules decline in concentration?
5. In what stage of cellular respiration is most of the ATP produced?