

Respiration = _____ + _____ → _____ + _____ + _____

What molecules does cellular respiration begin with? _____ What is the final product? _____

	Inputs	Outputs	Location
Glycolysis			
Kreb's Cycle			
Electron Transport Chain			

Cellular Respiration always begins with _____. If there is _____ then glycolysis is followed by _____. If there is no _____ glycolysis is followed by _____.

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	respiration	photosynthesis
types of cells		
organelles		
ultimate goal		
ingredients		
products		

The diagram illustrates the process of cellular respiration. It starts in the cytoplasm where glucose is broken down into pyruvic acid. Pyruvic acid then enters the mitochondrion. Inside the mitochondrion, pyruvic acid is further broken down into electrons carried in NADH and FADH₂. These electrons are then used to produce ATP. The diagram shows three ATP molecules being produced: one in the cytoplasm and two in the mitochondrion.

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