

## Assignment 5: Cell Respiration

The video link of the embedded video in the assignment folder is also available here: <https://vimeo.com/161758622>

After watching the video, complete the table and three questions below by filling in the blank spaces provided. Then, save the file and upload to the assignment folder.

Stage	Location	Reactant that enters this stage	Product that comes out of this stage	# of ATP generated (net)	# of NADH/FADH <sub>2</sub> generated
Glycolysis					
Transition		Pyruvate		Zero	
Citric Acid Cycle					
Electron Transport Chain/System		NADH and FADH <sub>2</sub>			N/A

Answer the following questions that pertain to the last phase, the Electron Transport Chain/System:

1. In the electron transport system, H<sup>+</sup> ions are pumped across the mitochondrial membrane, and then they come back through what important protein/enzyme?
2. What is the job of oxygen?
3. How is water produced?