1. Utilize the lecture slides, class notes or the videos linked in the top row to fill in the Summary of Respiration chart below:

|  |  |  |  |
| --- | --- | --- | --- |
|  | [Glycolysis](http://www.sumanasinc.com/webcontent/animations/content/cellularrespiration_glycolysis.html) | [Pyruvate Oxidation and Citric Acid Cycle](http://www.sumanasinc.com/webcontent/animations/content/cellularrespiration_citric_acid_cycle.html) | [Oxidative Phosphorylation (ETC and Chemiosmosis)](http://www.sumanasinc.com/webcontent/animations/content/cellularrespiration_etc.html) |
| Location in the Cell |  |  |  |
| Begins with… |  |  |  |
| Ends with… |  |  |  |
| Is Oxygen Required? |  |  |  |
| # of ATP required |  |  |  |
| # of ATP produced |  |  |  |
| Matter output   (i.e. FADH, NADH, CO2, etc.)  Identify the destination of these molecules |  |  |  |

1. Compare and contrast the processes of fermentation and cellular respiration>