Name of Student

Name of Professor

Name of Class

Day Month Year

Cellular Respiration

**Response 1**

The first page explains the process of Glycolysis, Krebs cycle and Electron Transport chain involved in the cellular respiration—the conversion of glucose into energy (ATP). In my view, this description thoroughly explained all the steps and correct net yield of ATP, NADH, FADH2, and CO2 during Glycolysis and Krebs cycle, however, net yield of ATP during Electron Transport Chain was described at 28 which is not correct. 34 ATPs are yielded as a result of ETC. It also explained difference between substrate-level and oxidative phosphorylation based on the site where ATP is produced.

**Response 2**

This article provides a brief overview of the processes involved in the cellular respiration including how the process Glycolysis yields two pyruvic acid molecules, how these molecules undergo transition reaction forming Acetyl CO-A and how each acetyle co-A is introduced to two separate Krebs cycles. In the end, it explains the basic difference between substrate-level and oxidative phosphorylation based on the energy required for the formation of ATP.

**Response 3**

The final article provides detailed and in-depth information about the Glycolysis, Krebs cycle and Electron transport chain at molecular level and step by step yield. In the end, difference between substrate level and oxidative phosphorylation was presented based on the mechanism of addition of phosphate into ADP.