Cellular Respiration Concept Map

The following concept map may be used to introduce the broad concepts of respiration or as a summative assessment after students have studied respiration. Teachers may choose to provide the word bank or to allow students to fill in the concept map using texts or prior knowledge. Note: Some terms may be used more than once and not all the terms will be needed to complete the concept map.

The completed concept map may be added to the "flap-book" as a center page.

WORD BANK

2 ATP

ATP

NADH

NADH

FADH

Electron transport chain

Anaerobic respiration

Aerobic respiration

Acetyl CoA

Mitochondrion

Cytoplasm

Lactic acid fermentation

Glycolysis

Glucose

Pyruvate (or Pyruvic acid)

Lactic acid

Krebs cycle

Cellular Respiration Concept Map Begins with the molecule ... Which is broken down during... Net gain of Other energy carriers Producing.... Occurs if oxygen is not present Occurs if oxygen is present One example is... Begins with formation of Which produces... Followed by the main phase..... Which occurs in the... Which produces energy carriers called Used during the To make....