

Unit 3 - Cell Energetics

B2.4e

Explain how cellular respiration is important for the production of ATP (build on aerobic vs. anaerobic).

B2.5D

Describe how individual cells break down energy-rich molecules to provide energy for cell functions.

B2.5e

Explain the interrelated nature of photosynthesis and cellular respiration in terms of ATP synthesis and degradation.

B2.5f

Relate plant structures and functions to the process of photosynthesis and respiration.

B3.1B

Illustrate and describe the energy conversions that occur during photosynthesis and respiration. (Also repeated in Unit 8—Ecology)