

DCI: Energy

5.PS3.D: Energy in Chemical Processes and Everyday Life

The energy released [from] food was once energy from the sun that was captured by plants in the chemical process that forms plant matter

(from air and water). (5-PS3-1)

DCI: From Molecules to Organisms: Structures and Processes

5.LS1.C: Organization for Matter and Energy Flow in Organisms

Food provides animals with the materials they need for body repair and growth and the energy they need to maintain body warmth and for motion. (5-PS3-1)

Science and Engineering Practice

Developing and Using Models

Modeling in 3–5 builds on K–2 experiences and progresses to building and revising simple models and using models to represent events and design solutions.

Use models to describe phenomena. (5-PS3-1)

Crosscutting Concept

Energy and Matter

Energy can be transferred in various ways and between objects. (5-PS3-1)