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)


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)

Performance Expectation

5-PS3-1: Use models to describe that that energy in animals’ food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.

Clarification Statement: Examples of models could include diagrams, and flow charts.
Assessment Boundary: none
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)

Common Core State Standards for ELA/Literacy

**Reading Informational Text**

**RI.5.7 - Integration of Knowledge and Ideas**
Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently. (5-PS3-1)
Common Core State Standards for ELA/Literacy

**Speaking & Listening**

**SL.5.5 - Presentation of Knowledge and Ideas**

Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes. (5-PS3-1)