



Level 3 • Module 1

Earth Changes with Spotlight Lessons on Matter

Lesson Overview

Your student is learning how natural events changed the island of Surtsey to see how natural events change land over time. In Spotlight Lessons on Matter, your student will explore the properties of matter and changes in matter.

Classroom activities for this module include the following:

- Investigating materials like rocks, soil, and sand to describe land
- Observing landforms to describe their shape and location
- Observing and investigating how wind and water interact with land
- Developing, building, and testing a solution to protect the Montauk Point Lighthouse
- Comparing Earth events to describe them as happening slowly or quickly
- Investigating solids and liquids and observing their properties

Conversation Starters

Support your student's learning with these talking points:

- Point out and discuss the natural features of land as you walk or drive in your community.
- Talk about the natural land features at places that you have visited or would like to visit.
- Discuss how wind, water, and people's activities change the land in your local area.
- Talk about the properties of different solids and liquids around the home.

Activities

Have fun with these related activities at home:

- Start a rock collection. Consider using a field guide to identify the rocks.
- Visit a landform near your area. Have your student sketch the landform and label its observable properties.
- Use national park websites to research landforms in different places.
- Safely explore freezing and melting different liquids, such as water, juice, and milk.



ADDITIONAL RESOURCES

Visit your local library or use an online library to explore topics related to the module, such as volcanoes or other landforms, the island of Surtsey, natural resources that are used to make products, and soil formation.



Explore the interesting land features of Natural Bridges National Monument at <https://www.nps.gov/nabr/learn/nature/geologicformations.htm>.

Learn more about volcanoes by visiting <https://www.nps.gov/havo/learn/nature/volcanoes.htm>.