

Physical Science DOMAIN

Structure and Properties of Matter

1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties. [S.2.1](#)
 2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose. [S.2.2](#)
 3. Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object. [S.2.3](#)
 4. Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot. [S.2.4](#)
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Life Science DOMAIN

Interdependent Relationships in Ecosystems

5. Plan and conduct an investigation to determine if plants need sunlight and water to grow. [S.2.5](#)
 6. Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants. [S.2.6](#)
 7. Make observations of plants and animals to compare the diversity of life in different habitats. [S.2.7](#)
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**Earth and Space
Science** DOMAIN

Earth's Systems: Processes that Shape the Earth

8. Use information from several sources to provide evidence that Earth events can occur quickly or slowly. [S.2.8](#)
 9. Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. [S.2.9](#)
 10. Develop a model to represent the shapes and kinds of land and bodies of water in an area. [S.2.10](#)
 11. Obtain information to identify where water is found on Earth and that it can be solid or liquid. [S.2.11](#)
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Engineering Design

12. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. EDS.2.12
13. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem. EDS.2.13
14. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. EDS.2.14