

# Science: Grade 5

## MATTER AND ITS INTERACTIONS

- 1a** Identify in a model (e.g., picture, diagram) which shows that all matter can be broken down into smaller and smaller pieces until they are too small to be seen by human eyes. [LC-5-PS1-1A](#)

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- 2a** Identify using measurements that the total weight of matter is conserved when it changes form. [LC-5-PS1-2A](#)

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- 2b** Identify using measurements that the total weight of matter is conserved before and after they are heated, cooled, or mixed. [LC-5-PS1-2B](#)

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- 3a** Identify that materials can be classified based on a variety of observable physical properties (e.g., shape, texture, buoyancy, color, magnetism, solubility). [LC-5-PS1-3A](#)

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- 3b** Classify materials (e.g., shape, texture, buoyancy, color, magnetism, solubility) by measurable physical properties. [LC-5-PS1-3B](#)

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- 4a** Identify that when two or more different substances are mixed, a new substance with different properties may be formed. [LC-5-PS1-4A](#)

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- 4b** Identify the changes that occur when two or more substances are mixed using evidence provided from data. [LC-5-PS1-4B](#)

## MOTION AND STABILITY: FORCES AND INTERACTIONS

- 1a** Identify that the gravitational force exerted by Earth on objects is directed down. [LC-5-PS2-1A](#)

## MATTER AND ENERGY IN ORGANISMS AND ECOSYSTEMS

- 1a** Identify that the energy in animals' food was once energy from the sun. [LC-5-PS3-1A](#)

## FROM MOLECULES TO ORGANISMS: STRUCTURES AND PROCESSES

- 1a** Identify that plants acquire material for growth chiefly from air and water, not from soil. [LC-5-LS1-1A](#)

## ECOSYSTEMS

- 1a** Identify a model that shows the movement of matter (e.g., plant growth, eating, composting) through living things. [LC-5-LS2-1A](#)

## **EARTH'S PLACE IN THE UNIVERSE**

**1a** Identify that the sun appears larger and brighter than other stars because the sun is much closer to Earth than other stars. [LC-5-ESS1-1A](#)

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**2a** Describe similarities and differences in the timing of observable changes in shadows. [LC-5-ESS1-2A](#)

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**2b** Describe similarities and differences in the timing of observable changes in day and night. [LC-5-ESS1-2B](#)

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**2c** Describe similarities and differences in the timing of observable changes in the appearance of stars that are visible only in particular months [LC-5-ESS1-2C](#)

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## **EARTH'S SYSTEMS**

**1a** Describe that the Earth's major systems interact and affect Earth's surface materials and processes. [LC-5-ESS2-1A](#)

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**2a** Determine that the majority of water on Earth is found in the oceans as salt water and most of the Earth's fresh water is stored in glaciers. [LC-5-ESS2-2A](#)

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## **EARTH AND HUMAN ACTIVITY**

**1a** Identify ways people can help protect the Earth's resources and environment. [LC-5-ESS3-1A](#)