

## DCI: Earth and Human Activity

### 4.ESS3.A: Natural Resources

Energy and fuels that humans use are derived from natural sources, and their use affects the environment in multiple ways. Some resources are renewable over time, and others are not. (4-ESS3-1)

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### 4.ESS3.B: Natural Hazards

A variety of natural hazards result from natural processes. Humans cannot eliminate natural hazards but can take steps to reduce their impacts. (4-ESS3-2)

## DCI: Earth and Human Activity

### 4.ETS1.B: Developing Possible Solutions

Testing a solution involves investigating how well it performs under a range of likely conditions. (4-ESS3-2)

## Science and Engineering Practice

### Constructing Explanations and Designing Solutions

Constructing explanations and designing solutions in 3–5 builds on K–2 experiences and progresses to the use of evidence in constructing explanations that specify variables that describe and predict phenomena and in designing multiple solutions to design problems. **Generate and compare multiple solutions to a problem based on how well they meet the criteria and constraints of the design solution.** (4-ESS3-2)

## Science and Engineering Practice

### Obtaining, Evaluating, and Communicating Information

Obtaining, evaluating, and communicating information in 3–5 builds on K–2 experiences and progresses to evaluating the merit and accuracy of ideas and methods. **Obtain and combine information from books and other reliable media to explain phenomena.** (4-ESS3-1)

## Crosscutting Concept

### Cause and Effect

Cause and effect relationships are routinely identified, tested, and used to explain change. (4-ESS3-2)

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