

## TOPIC 4.8

# Earth's Geography and Climate

### Required Course Content

#### ENDURING UNDERSTANDING

##### ENG-2

Most of the Earth's atmospheric processes are driven by input of energy from the sun.

#### LEARNING OBJECTIVE

##### ENG-2.B

Describe how the Earth's geography affects weather and climate.

#### ESSENTIAL KNOWLEDGE

##### ENG-2.B.1

Weather and climate are affected not only by the sun's energy but by geologic and geographic factors, such as mountains and ocean temperature.

##### ENG-2.B.2

A rain shadow is a region of land that has become drier because a higher elevation area blocks precipitation from reaching the land.

#### SUGGESTED SKILL

 *Visual Representations*

##### 2.B

Explain relationships between different characteristics of environmental concepts, processes, or models represented visually:

- In theoretical contexts
- In applied contexts



#### AVAILABLE RESOURCES

- Classroom Resource > [AP Environmental Science Teacher's Guide](#)
- Classroom Resource > [Introductory Concepts for Understanding Climate](#)
- The Exam > [Chief Reader Report, 2017 Q3](#)
- The Exam > [Student Performance Q&A 2016, Q1 & Q4](#)
- The Exam > [Samples and Commentary \(2017 Q3, 2016, Q1, 2016, Q4\)](#)