

# Weathering and Climate Essential Questions

## BIG IDEAS

1. The atmosphere, hydrosphere, and geosphere interact to influence weather and climate.

2. The atmosphere, hydrosphere, and geosphere interact to influence the Earth's energy balance.

3. The atmosphere, hydrosphere, and geosphere interact to influence the Earth's climate system.

4. The atmosphere, hydrosphere, and geosphere interact to influence the Earth's weather patterns.

5. The atmosphere, hydrosphere, and geosphere interact to influence the Earth's climate change.

## ESSENTIAL QUESTIONS

*“What are the systems that influence weather and climate?”*  
**(SYSTEMS AND SYSTEM MODELS)**

*“What is happening to the climate as the composition of the atmosphere is changing?”*  
**(STRUCTURE AND FUNCTION)**

*“What are common weather patterns?”*  
**(PATTERNS)**