

The Nature of Science

SECTION 1 Earth Science

MAIN IDEA

DETAILS

Skim Section 1 of your text. Write three questions that come to mind from reading the headings and the illustration captions.

1. _____

2. _____

3. _____

New Vocabulary

Use your text to define each term.

astronomy

1 _____

meteorology

2 _____

geology

3 _____

oceanography

4 _____

environmental science

5 _____

geosphere

6 _____

atmosphere

7 _____

hydrosphere

8 _____

cryosphere

9 _____

biosphere

10 _____

MAIN IDEA

DETAILS

**The Scope
of
Earth
Science**

Use with pages 6-7

Organize information about the topics each kind of scientist studies in the table below.

Type of Scientist	Topics Studied
Astronomer	
Meteorologist	
Geologist	
Oceanographer	

Classify the subspecialties of Earth science by writing them under the appropriate areas of specialization. Use Table 1 to help you. You may write a subspecialty more than once.

Earth Science

Meteorology	Geology	Oceanography	Astronomy

Identify two recent events from the news that would be of interest to an Earth scientist, state what kind of scientist they would most interest, and classify the events under the appropriate subspecialties listed above.

MAIN IDEA

DETAILS

**Earth's
Systems**

Use with pages 8-9

Draw a diagram to help you understand and remember Earth's four main systems.
Label each system.

**Earth
Science
in Your
Everyday
Life**

Use with pages 8-9

List something from each of Earth's systems that humans use.

Geosphere: _____

Hydrosphere: _____

Atmosphere: _____

Biosphere: _____

SYNTHESIZE

Identify one way that humans have changed each of Earth's systems.

Geosphere: _____

Hydrosphere: _____

Atmosphere: _____

Biosphere: _____