

Using the information on pages 8–9 of the book, fill in the blanks with the name of the mine or quarry in each location. Use information found in the book and research online to briefly explain why each location is important or unique.



①

②

③

④



True or False

Follow the instructions to complete the activity.

NAME

DATE

Using the information in *Geologist*, verify whether the following information is true or false. Check your answers in the book. List the page number where you found your information beside your answer.

Statement 1 Core boxes carry core samples from the field to the lab. Each box holds only one sample. True False Page Number

Statement 2 Strong technology skills help geologists collect and share data with others. True False Page Number

Statement 3 Geologists use technology to explore layers of rock, oil, and minerals below the ground. True False Page Number

Statement 4 The air around volcanoes is perfectly safe to breathe. True False Page Number

Statement 5 Geologists study how rivers cut into mountains to make deep canyons. True False Page Number



Using information found in the book, name each tool shown below and describe how it is used.

Name

Description



Fill in the Blanks

Follow the instructions to complete the activity.

NAME

DATE

Use the information found in *Geologist* to help you complete the following activity.

1. Geology helps people know where to find resources.
2. companies hire geologists. The geologists tell them where to find oil and gas.
3. When using a rock hammer, geologists wear glasses.
4. Florence Bascom, a geologist and teacher, became the first hired by the USGS in 1896.
5. Shale rock is , or full of holes. These holes could hold oil.
6. Petrochemical geologists look for of shale rock. They know this rock absorbs oil.



Using information from the book, select an answer from the right and write the letter in the box beside the statement.

Microscopes were invented in Europe in this year.

A. 11

USGS employees work at this many locations across the United States.

B. 1590

The United States produced about this many million barrels of oil per day in 2018.

C. 400

The average U.S. salary for a geologist is about this many dollars per year.

D. 32,000

About this many geologists work in the United States.

E. 90,000



Key Words Match-Up

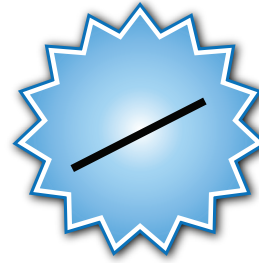
Write the words from the list below in the box above the correct definition for each word.

NAME

DATE

KEY WORDS

bachelor's degree	natural resources
droughts	observatories
economy	ore
erosion	petrochemical
excavate	research
experiments	sedimentary rock
fossil fuels	seismic
lava	tsunamis



Your Score is

%

1.
periods of time without rain

2.
buildings with telescopes that study space

3.
having to do with the movement of Earth from earthquakes

4.
melted rock from a volcano

5.
uncover something by digging away layers of earth

6.
the industry related to oil or natural gas

7.
rock formed in layers of pebbles, sand, and mud

8.
tidal waves created by an earthquake

9.
the first level of a college program of study

10.
the system of buying and selling goods

11.
materials people use to make other goods, including fossil fuels, metals, and minerals

12.
fuels, such as oil, natural gas, and coal, created by ancient plants and animals

13.
the process of being worn away

14.
the material that holds valuable minerals or metals

15.
in-depth study of a particular subject

16.
tests used to discover or prove something



Quiz

Test your knowledge by answering these quiz questions.

NAME

DATE

1 How many geologists work in the United States?

2 About how many barrels of oil are produced in the United States each day?

3 How many people work for the United States Geological Survey?

4 What is a rock hammer?

5 When were microscopes invented?

6 Name the three states that employ the most geologists.

7 How many active volcanoes are located in the United States?

8 What does STEM mean?

9 When was the USGS established?

10 Who was the first female geologist hired by the USGS?

