

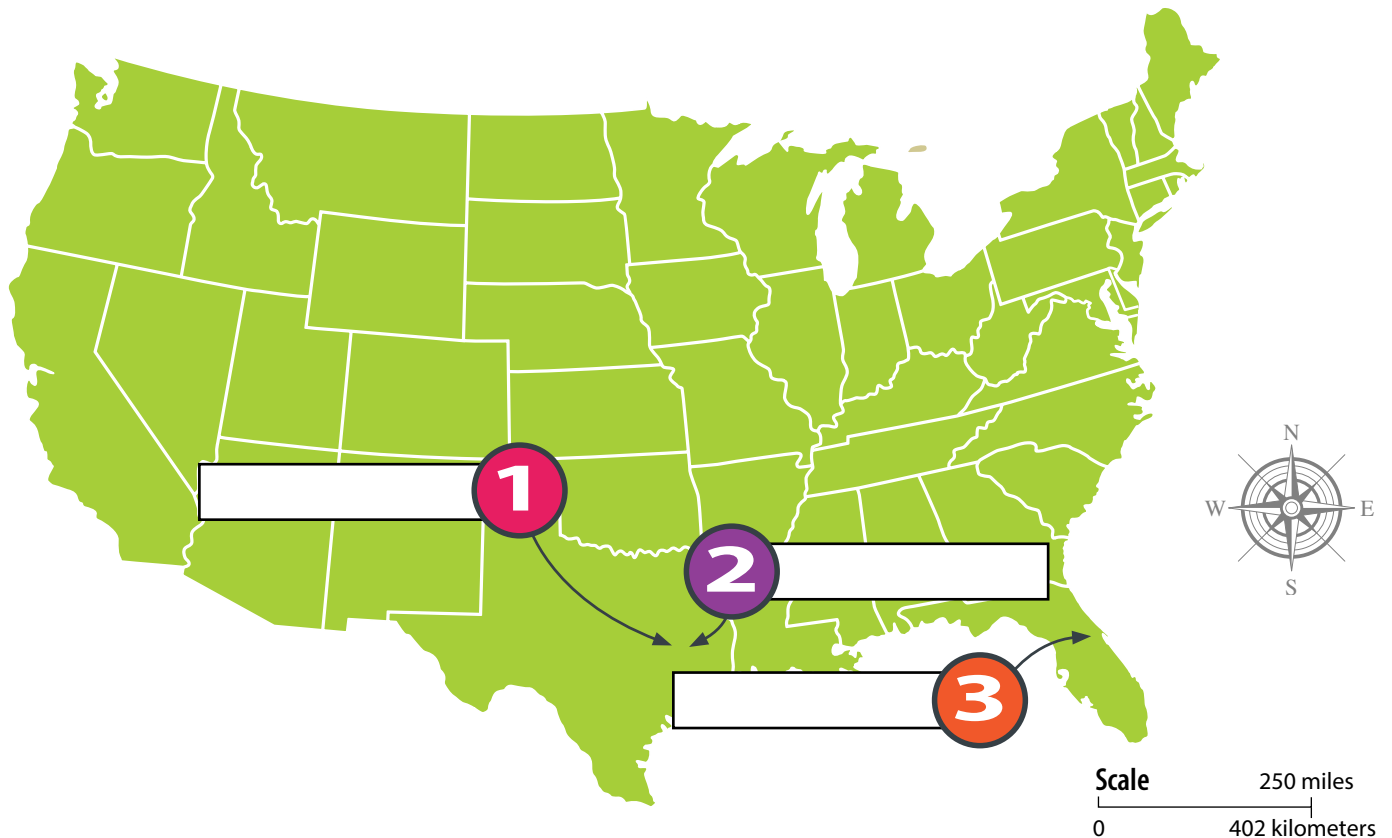
## Map Activity

Follow the instructions to complete the activity.

NAME

DATE

Using the information on page 9 of the book, fill in the blanks with the name of the training center 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**



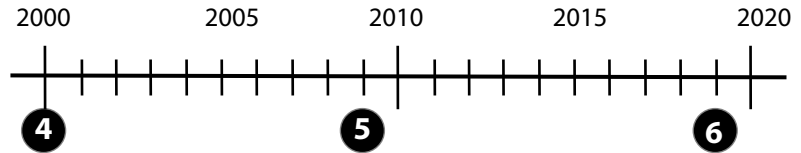
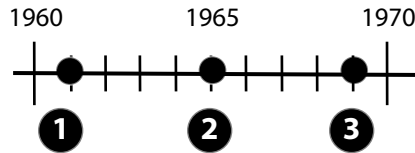
## Timeline Activity

Follow the instructions to complete the activity.

NAME

DATE

Number the events below in the order they would appear on the timeline. Write the number in the box beside each event.



Testing continues on SpaceX's Crew Dragon capsule, which will allow astronauts to reach the ISS from the United States.

The ISS becomes fully operational. Crews of six astronauts begin living in the station.

Neil Armstrong and Edwin "Buzz" Aldrin are the first people to walk on the Moon.

Cosmonaut Yuri Gagarin reaches space and orbits Earth once.

Cosmonaut Aleksey Leonov is the first person to take part in a space walk.

Sergey Krikalyov, Yuri Gidzenko, William Shepherd are the first resident crew members onboard the ISS.



## True or False

Follow the instructions to complete the activity.

NAME

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Using the information in *Astronauts*, 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

On Earth, gravity pulls everything, including us, down toward the ground.

☐

True

☐

False

Page  
Number

### Statement 2

In zero gravity, water and other liquids do not flow.

☐

True

☐

False

Page  
Number

### Statement 3

While underwater, astronauts wear a belt filled with air to make them float and a suit filled with weights to make them sink.

☐

True

☐

False

Page  
Number

### Statement 4

Spacecraft today have areas for growing plants such as beets, lettuce, tomatoes, zucchini, and beans.

☐

True

☐

False

Page  
Number

### Statement 5

Chess pieces on the ISS are attached to the board by magnets.

☐

True

☐

False

Page  
Number



## Fill in the Blanks

Follow the instructions to complete the activity.

NAME

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

1. Vehicles that are more fuel efficient are better for the .
2. A spacesuit's tough  protects an astronaut from tiny particles of space dust that can hit with the speed and power of a bullet.
3. ISS astronauts use ropes, called , to attach themselves to the station at all times.
4. Once a descent module enters Earth's , its crew experiences the force of Earth's gravity.
5. After returning to Earth, an astronaut's body feels heavy as gravity causes  to flow from the upper body back to the lower body.
6.  makes an astronaut's muscles and bones grow weak.



## Know Your Numbers

Follow the instructions to complete the activity.

NAME

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

In 1998, astronaut John Glenn became the oldest person to travel to space at this age.

☐

**A. 3,812**

Inside the ISS's Electromagnetic Levitator (EML), metals can be heated to this many degrees Fahrenheit.

☐

**B. 560**

As of 2019, more than this many people have traveled to space.

☐

**C. 45**

After this many days on the ISS, Scott Kelly returned to Earth to undergo further testing and monitoring.

☐

**D. 77**

It takes about this many minutes to put on a spacesuit.

☐

**E. 340**



## Quiz

Test your knowledge by answering these quiz questions. .

NAME

DATE

1

Which astronaut twin stayed on Earth as part of a study?

2

What attaches astronauts on the ISS to their treadmill?

3

How long does a *Soyuz* descent module's journey back to Earth take?

4

What is a Simplified Aid for EVA Rescue (SAFER)?

5

When did the first spacewalk take place?

6

What do astronauts on the ISS use to avoid having to use water to rinse their mouths?

7

Do water and other liquids flow in space?

8

Who was the first person in space?

9

How long does it take a spacecraft to reach the ISS?

10

Who were the first people to walk on the Moon?



## 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

atmosphere	orbits
cosmonauts	oxygen
data	pioneering
docked	simulator
extravehicular activity (EVA)	solar arrays



- |  |   |
|--|---|
| <p>1. <input type="text"/><br/>groups of solar panels joined together</p> <p>2. <input type="text"/><br/>the first to do something; leading the way</p> <p>3. <input type="text"/><br/>securely connected to a space station or spacecraft</p> <p>4. <input type="text"/><br/>a spacewalk made by astronauts outside of the ISS or a spacecraft</p> <p>5. <input type="text"/><br/>an invisible gas in air that people and animals need to breathe</p> | <p>6. <input type="text"/><br/>a layer of gases around a planet, moon, or star</p> <p>7. <input type="text"/><br/>information and facts, often in the form of numbers</p> <p>8. <input type="text"/><br/>when something circles, or moves around, another object</p> <p>9. <input type="text"/><br/>Russian astronauts</p> <p>10. <input type="text"/><br/>a pretend version of something, such as a plane, spacecraft, or building</p> |
|--|---|

