

True or False

Follow the instructions to complete the activity.

NAME

DATE

Using the information in *The Space Shuttle Missions*, 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	The <i>Enterprise</i> orbiter went through many tests at the Marshall Space Flight Center in Florida.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 2	<i>Columbia</i> was the first space shuttle to launch into space and return to Earth.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 3	<i>Challenger</i> exploded shortly after liftoff from the Kennedy Space Center.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 4	Astronaut C. Gordon Fullerton was the pilot of the last crew of the ALT program.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 5	The TDRS is a group of nine satellites that constantly send and receive information as they orbit Earth.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>



Launching a Space Shuttle

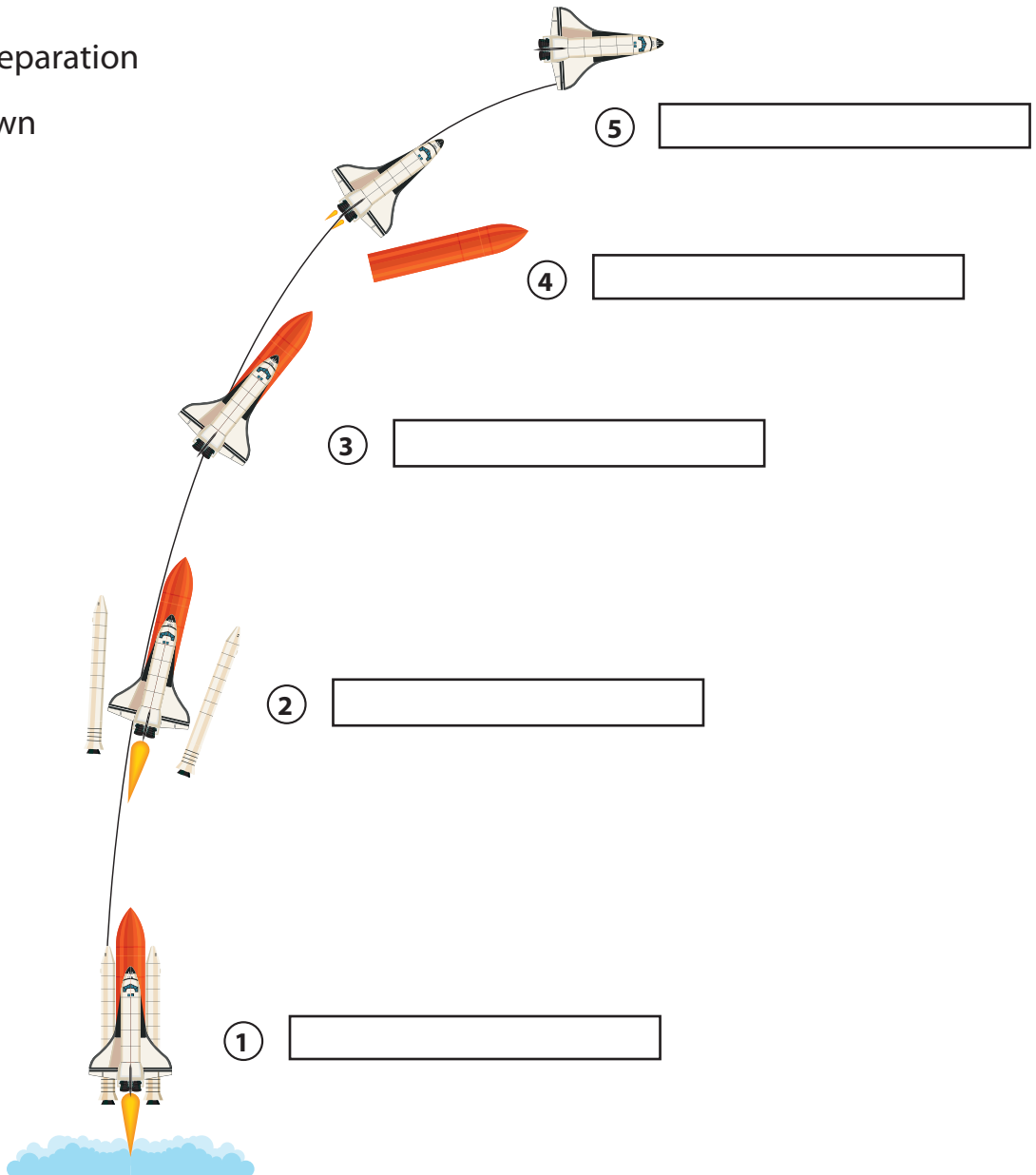
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Fill in the blanks in this diagram of a space shuttle launch.

- a. Liftoff
- b. Booster Separation
- c. Orbit
- d. External Tank Separation
- e. Engine Shutdown



Fill in the Blanks

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Use the information found in *The Space Shuttle Missions* to help you complete the following activity.

1. *Atlantis* released the probe from its cargo bay.
2. During their spacewalk, the three *Endeavour* astronauts grabbed the satellite and pulled it into the shuttle's cargo bay.
3. When aboard space shuttles, often take pictures of Earth.
4. The *Enterprise* orbiter, on the fourth of five pilot-free flights, from the NASA 747 carrier.
5. Frederick Gregory, Ronald McNair, and Guy Bluford were among the first astronauts at NASA.
6. The rocket-powered airplane known as the was attached to a B-52 for launching purposes.



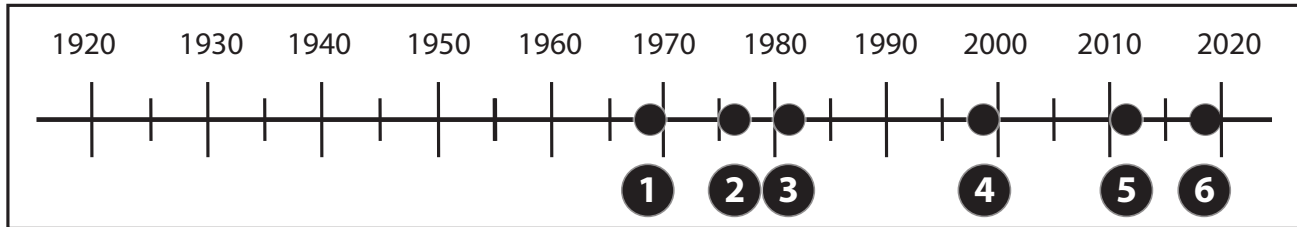
Timeline

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Number the events below in the order they should appear on the timeline. Write the number in the box beside each event. Check your answers with page 33 of the book.



The Crew Dragon, designed to replace the space shuttle, launches from Cape Canaveral for its first mission.

The last space shuttle mission took place with the July launching of *Atlantis*.

Discovery became the first vessel to dock with the International Space Station.

The space shuttle *Enterprise* was launched from an airplane.

Apollo 11 landed the first humans on the Moon.

Columbia was the first shuttle to orbit Earth.



Complete the statements by writing the correct number in the box.

In this year, Sally Ride founded a company called Sally Ride Science.

5.5

During its long career, the *Discovery* shuttle flew this many missions.

2001

In 1972, U.S. President Richard Nixon signed a bill that gave this many million dollars to the National Aeronautics and Space Administration (NASA).

39

Challenger made a total of this many trips into space.

2.88

Galileo traveled this many billion miles during its journey.

10



Key Words Match-Up

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

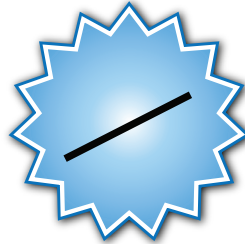
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KEY WORDS

deep space	mission control	satellite
deployed	orbited	space walk
docked	payload	
hypersonic	pressurized	

Your Score is



_____ %

1.
carried something into orbit and then released it into space

2.
at least five times as fast as the speed of sound

3.
repeatedly followed a curved path around another object because of gravity

4.
when part of an airplane or spacecraft is sealed off so that the air pressure in that part can be kept at safe levels for people inside it

5.
when an astronaut goes outside a spacecraft and moves around in space

6.
far outside Earth's atmosphere, especially beyond the Moon

7.
joined together while in space

8.
the team of engineers and experts running a mission from the ground

9.
an object carried to space by a rocket or other vehicle

10.
an object or vehicle that orbits a planet or Moon, often to collect information



Quiz

Test your knowledge by answering these quiz questions.

NAME

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1 What year was NASA created?

2 What was the name of the first space shuttle orbiter?

3 What was the name of the reusable science laboratory in the space shuttle?

4 Who was the first female astronaut?

5 Which space shuttle flew the most missions?

6 Why did NASA investigate what caused the *Columbia* shuttle to fall apart?

7 What planet did the *Galileo* probe explore?

8 What was the date of the final space shuttle mission?

