

True or False

Follow the instructions to complete the activity.

NAME

DATE

Using the information in *Space Stations*, 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	A one-hour spacewalk was performed to inspect the damage to Mir.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 2	Growing plants in space is called astroculture.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 3	The large robotic arm on the ISS is called the Canadarm.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 4	Because of microgravity, water droplets can float throughout the ISS.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 5	The Soyuz Shuttle was connected to Salyut 1 for more than 10 hours, but was ultimately released when the hatch would not open.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>



Fill in the Blanks

Follow the instructions to complete the activity.

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

1. Soyuz 5 to space station Salyut 7.
2. Astronaut Owen Garriott performed a on Skylab in 1973.
3. Sandra Magnus exercised on the advanced Resistive Exercise Device (RED) to strengthen her and .
4. Peggy Whitson grew aboard the ISS in 2017.
5. Not all astronauts get to sleep in a station. Some have to sleep attached to a instead.
6. The ISS toilet uses to flush waste.



The ISS Parts

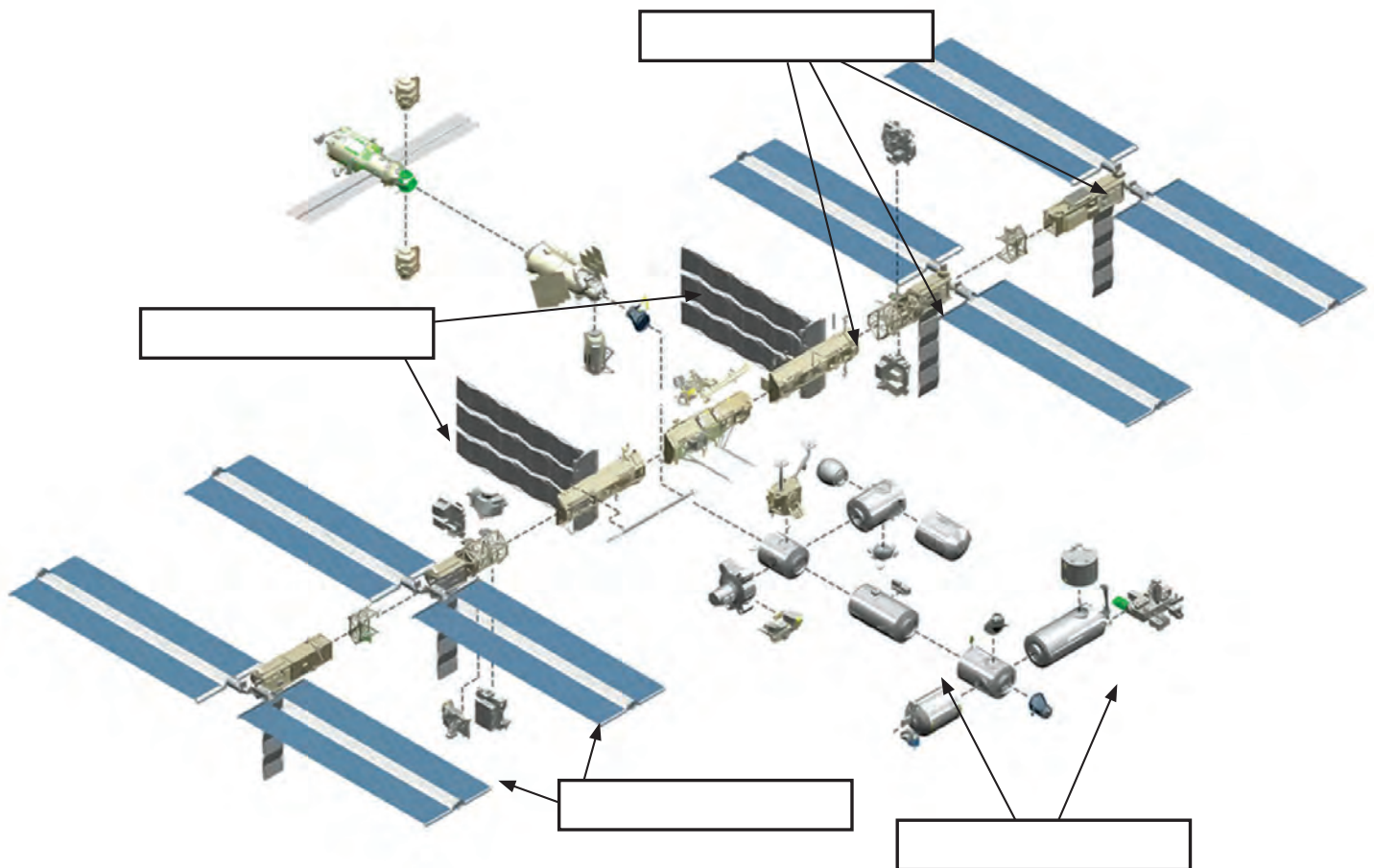
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Fill in the blanks in this diagram of the parts of the International Space Station.

- Truss segments
- Heat radiators
- Solar panels
- Pressurized modules



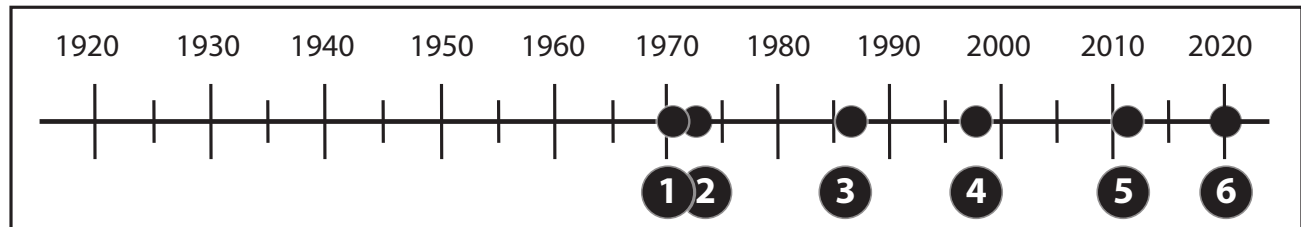
Timeline

Follow the instructions to complete the activity.

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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 39 of the book.



The last crew visited Salyut 7. The first part of space station Mir was launched.

The ISS was completed, with 15 countries helping to build it.

NASA plans to launch the Gateway, which will assist in taking humans into deep space.

The first of more than 100 pieces of the International Space Station (ISS) was launched.

NASA launched the Skylab space station. It held laboratories, workshops, and a living space.

The USSR launched Salyut 1, the first space station.



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

Instead of always shipping water from Earth, this percentage of the water the ISS uses is recycled.

17,000

When it was completed in this year, Mir was 62 feet (19 meters) long and 102 feet (31 m) wide.

90

The ISS orbits Earth every this many minutes.

93

The ISS travels around Earth at a speed of more than this many miles per hour.

1996

In this year, SpaceX became the first commercial spacecraft to make a delivery to the ISS.

2012

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

condensation	drag	pureed
cosmonauts	microgravity	surface tension
debris	orbit	
depressurized	prototype	

**Your
Score is**



%

- astronauts from the Soviet Union or Russia
- caused part of an airplane or spacecraft to no longer be sealed off, so that the air pressure in that part cannot be kept at safe levels for people inside it
- when the downward pull of gravity is very small compared with the forward motion of an object such as a space station
- an early version of an invention that is created to test an idea
- the thin, stretchy film at the edge of a liquid that keeps the molecules in the liquid together
- water that gathers into droplets on surfaces that are cooler than the air
- the remains of something broken
- the force of air pushing back against a moving object
- to repeatedly follow a curved path around another object because of gravity
- crushed until it becomes a thick liquid or paste



Quiz

Test your knowledge by answering these quiz questions.

NAME

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- 1** Which country sent the first space station into orbit?
- 2** Why would microgravity cause astronauts to lose muscle strength?
- 3** How many times did the cosmonaut crew of Soyuz orbit the Earth?
- 4** When did a crew last visit Salyut 7?
- 5** What was the name of the space station NASA launched in 1973?
- 6** What were the dimensions of space station Mir once it was completed in 1996?
- 7** How long did space station Mir remain in orbit around Earth?
- 8** When did Leland Melvin travel to the ISS aboard the space shuttle *Atlantis*?

