

Life aboard the ISS - **Answers**

1. What does the acronym ISS stand for? (1 mark)
International Space Station.

2. Why can astronauts only have salt and pepper in a liquid form? (1 mark)
Because they would float away, clog up vents or end up in an astronaut's eyes, mouth or nose.

3. Name two jobs which are involved in maintaining the orbiting platform. (1 mark)
 - **Checking support systems**
 - **Cleaning filters**
 - **Updating compute equipment**

4. Why does the food packaging on the ISS need to be flexible? (1 mark)
It's easier to use and it maximises space.

5. Astronauts need to keep healthy whilst on the ISS. Give two pieces of evidence which supports this. (2 marks)
They need to exercise 2 hours a day to prevent bone and muscle loss.

6. Find a fact and an opinion in the text and explain the difference between them. (2 marks)
Examples will vary.
Fact is a statement that can be proven true or false. An opinion is an expression of a person's feelings that cannot be proven. Opinions can be based on facts or emotions and sometimes they are meant to deliberately mislead others.

7. What genre of writing is this text? Give two features to support your answer. (2 marks)
Non-fiction, information text – it provides facts about the ISS. It contains subheadings, has pictures to support the text and includes facts and figures.

8. Look at the paragraph: *Astronauts perform ...* Find and copy a word which means: (4 marks)
 - a) lasting – **permanent**
 - b) decide - **determine**
 - c) adapting - **adjusting**
 - d) need - **require**

9. 'Each aspect of life aboard the ISS needs to be planned carefully'. Give two pieces of evidence which support this statement. (2 marks)
To take part in Science experiments controlled from the ground/to receive instructions to assist crew members in their daily routine.

10. Compare life aboard the ISS to life as a scientist on Earth. What similarities and differences are there? Use evidence from the text to support your answer. **(4 marks)**

Similarities:

- They still need to remain in shape, exercise is important to a healthy lifestyle on Earth and in space.
- They are hard at work, like most adults on Earth completing a job.
- They eat three meals a day, each one as delicious as you would be served on Earth.
- They apply basic maintenance to technology, just as homeowners would do on Earth.

Differences:

- Lack of gravity, floating around the spaceship.
- Salt and pepper is provided in liquid form – so they can't be sprinkled as on Earth.

