

Worksheet

Sunita in Space

Very short answer questions

I. Choose the correct answer to fill in the blanks.

space flight, Neil Armstrong, Kalpana Chawla, countries, 360 km, blue, globe, satellite, six.

- a) _____ is the model of the earth.**
- b) Sunita spent more than _____ months in space.**
- c) _____ part on the globe is sea.**
- d) _____ was Sunita's friend.**
- e) Division of land on the earth is done by us into _____.**
- f) _____ was the first man to walk on the moon.**
- g) Sunita Williams set a new record for the longest _____ by a woman.**
- h) Sunita Williams went _____ away from the earth in space ship.**
- i) A shining star which seems to move with a constant speed in the sky can be a _____.**

Ans.

- 1. Globe**
- 2. Six**
- 3. Blue**
- 4. Kalpana chawla**
- 5. Countries**
- 6. Neils armstrong**
- 7. Space flight**
- 8. 360 km**
- 9. Satellite**

II. Tick the correct answer.

a) If the earth is round like a globe, how is it that we do not fall off?

i) We all stick to the earth with glue()

ii) Air around us presses us to the earth()

iii) God keeps us on the earth()

iv) The earth pulls everything to()

b) Why a ball thrown up comes down?

i) Air around the ball pushes it down()

ii) The earth pulls everything towards it()

iii) The ball is filled with air and heavy()

iv) The ball is made of rubber()

Ans.

a) If the earth is round like a globe, how is it that we do not fall off?

iv) The earth pulls everything towards itself.

b) Why a ball thrown up comes down?

ii) The earth pulls everything towards it.

1 Mark Questions. (Short answer questions)

I. Answer the following questions.

a) How did Sunita go to space?

b) What does the earth look like from space?

c) Why did Sunita Williams come to India?

d) Why do things we throw up on the earth come down?

e) How far did Sunita Williams go away from the earth?

f) What did Sunita want to become?

g) What does Sunita now?

h) What plans does she have for her future?

i) What is a globe?

j) Name two festivals that are related with Moon.

k) Why do children always slide down the slide and not up?

l) If the slides were there in Sunita's spacecraft, would children slide down?

Why?

Note to the teachers: The term 'gravity' is not needed in this lesson. Instead of this the phrase 'pull of the earth' can be used.

'Gravity' or 'Gravitational force'

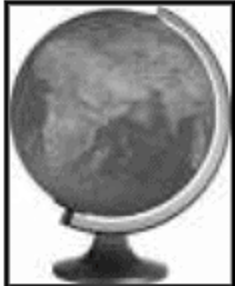
The force with which the earth pulls everything towards itself is called gravity or gravitational force.

Ans.

1. Sunita went to space in a spacecraft
2. The earth looks spherical in shape.
3. Sunita came to India to share her experience in space.
4. Due to gravitational force.
5. 360 km
6. She wanted to become a diver.
7. She joined the Space Mission.
8. She wanted to become a school teacher.
9. Globe is the model of earth.
10. Eid, Karwachauth etc.
11. Children always slide down the slide because of the earth's gravitational force.
12. If slide were there in Sunita's spacecraft, children would not slide like this because there is no gravitational force in space.

II. Identify the pictures and fill in the blanks.

a) The model of the earth



b) The vehicle that takes people to space



c) An American woman astronaut⁶ who created a world record for the longest space flight by a woman.



A person who travels in a spaceship or a spacecraft is called an astronaut.

d) Sunita's friend who died in a spacecraft accident



e) The first man to step on the Moon



f) The first Indian who had been to space



Ans.

1. Globe
2. Spacecraft
3. Sunita williams
4. Kalpana chawla
5. Neils armstrong
6. Rakesh sharma

2 Mark questions. (Long answer questions)

- a) Who is Sunita Williams? What world record has she made?**
- b) Why did Sunita not have to comb her hair in space?**
- c) How are eating food in space and eating on the earth different?**
- d) What is a shooting star?**
- e) Why do we see stars mostly at night?**
- f) Describe how Sunita viewed the earth from spaceship.**

g) Explain: What did Sunita Williams mean to say-“All the lines on the maps are made by us; they are in our mind only”.

Ans.

1. Sunita Williams is a famous astronaut. She was the second woman of Indian origin to go into space. She served as flight engineer. She did four spacewalks of total 29 hours and 17 minutes.

2. There is no force of gravity in space and everything floats there. Combs are meant to get hair in place which is not possible in space therefore, Sunita didn't comb her hair in space.

3. The meals in space are very similar to the Earth. Foods like apples and vegetables are eaten just as they are. Some space foods are eaten by adding some hot water and once the water is absorbed, they squeeze it into their mouth.

4. A shooting star is actually a meteorite which catches fire when it enters the earth's atmosphere.

5. The stars are in the sky both day and night. During the day our star, the Sun, makes our sky so bright that we cannot see the much dimmer stars. At night, when the sky is dark, the light of the stars can be seen.

6. --

7. Sunita wanted to say that the land on earth is divided in different countries just on paper. It is actually in our mind. There is no such differentiation in reality. Earth is all intact. So, looking at the earth from space, the earth looks quite different.