

LESSON – 5

GOING INTO SPACE

Dear Students,

- Today we are going to learn the Lesson – Going into Space.
- The following assignment has to be done neatly with a sharpened pencil in the General Science notebook.

ASSIGNMENT

NEW WORDS

1. attraction
2. gravitational
3. spacecraft
4. astronauts
5. travelled
6. craters
7. weigh
8. journey
9. flight

NEW TERMS

1. Space – The region outer to the atmosphere of the earth.
2. Space rocket – A rocket powerful enough to travel into space.
3. Spacecraft – A vehicle used for travelling in space.

QUESTION/ANSWER

Q1. Define:

- a) Gravity – Gravity is a natural force that causes things to fall towards the centre.
- b) Craters – Craters are huge potholes which are found on the surface of the moon.

Q2. What is force of gravity? Give an example to support your answer.

Ans. The force of gravity is the force with which the earth, moon or other massively large objects attracts another object towards itself.

Example – The tides caused in the ocean is due to the force from the moon.

Q3. Who was the first person to step on the surface of the moon?

Ans. Neil Armstrong was the first person to step on the surface of the moon in the year 1969. Edwin Aldrin and Michael Collins were the other two astronauts who accompanied him in a spacecraft called Apollo 11.

Q4. Write a short note on the two women astronauts of Indian origin who went into space.
Ans. a) Kalpana Chawla – She was the first women of Indian origin to go into space. She first went in 1997 in a space shuttle called Columbia. She went again in January 2003 but died on 1 February when her space shuttle crashed on her return journey.

b)Sunita Williams – Sunita Williams travelled twice into space. She has spent a total of 322 days in the space ranking her the second for most time spent in space by a woman.

GIVE REASONS

1. Why there is no life on the moon?

Ans. There is no life on the moon as there is no water and oxygen which is required for the survival of living things.

2. If you weigh 30 kg on earth you will weigh 5 kg on the moon. Why?

Ans. The gravitational pull of the moon is less than that of the earth. Our weight on the moon will be one – sixth of our weight on the earth.

3. Why do astronauts wear special suits while travelling into space?

Ans. Astronauts wear special suits called space suits while travelling into space as they have supply of oxygen. Also such suits protect them from harmful rays.

WHITE PAGE WORK **(To be done on the interleaf page)**

STAR FACTS

- 1. Space is completely silent.**
- 2. The footprints on the moon will be there for 100 million years.**
- 3. Sputnik, a Russian satellite was the first human made object to be launched into the space in the year 1957.**
- 4. Rakesh Sharma was the first Indian to go into space.**
- 5. Laika, a dog, was the first animal to go into space in the year 1957.**

ACTIVITY:

- Paste pictures of any three astronauts (apart from those mentioned in the book) in the General science notebook and write a few lines on each of them.**

NOTE:

- Children can start learning the assignment.**
- Kindly complete the assignment and submit it to the class teacher by 06.02.2021.**