

St. Andrews Scots Senior Secondary School

9th, Avenue, I.P Extension, Patparganj

Class-V Sub-Science

Session- 2025- 2026

Lesson -12 Moon and Artificial Satellite

- **Reading of the chapter**
- **Explanation (will be done in class)**

(Textbook exercise)

- **A. Tick the correct answer.**
 1. Gibbous moon
 2. Lunar eclipse
 3. 27.3 days
 4. Neil Armstrong
 5. Sputnik 1
- **B. Fill in the blanks.**
 1. Sun
 2. Lunar
 3. One sixth
 4. tide
 5. Weather
- **C. True or False.**
 1. True
 2. False
 3. False

4. False

- **D Solve the puzzle.**

Across

3. Eclipses
6. Amavasya

Down

1. Tides
2. Military
- 4 Craters
5. Waxing

- Define (Learn from pg no- 126)

(Notebook Work

New Words

Any 10 words

Short Question/Answer

1 Name the first satellite

launched by India .

Ans. Aryabhatta

2. What do you understand by new moon?

Ans. When the moon lies between the earth and the sun, the side facing us is in darkness. We cannot see it at all. This is called the new moon.

3. If the moon has no light of its own, then how does it shine?

Ans. It shines by the light of sun falling on it.

4 What is an eclipse?

Ans. The shadows of the earth and the moon produced by sunlight are called eclipses.

5. Why is life not possible on the moon ?

Ans. Life is not possible on the moon because neither air nor water is present on the surface of moon.

6. We cannot hear sound on the moon, why?

Ans. We cannot hear sound on the moon because air is not present on the moon and there is no medium for the sound to travel.

Long Question/Answer

1 Describe the different phases of the moon.

Ans. The different phases of the moon are:-

- **New moon – Moon cannot be seen at all. It is also known as Amavasya.**
- **Crescent moon – When some portion of moon is visible to us.**
- **Half moon – When half of the moon is visible.**
- **Gibbous moon – When three quarter of moon is visible.**
- **Full moon- When full moon is visible. It is known as Purnima.**

2 What are artificial satellites? How are artificial satellites useful to us?

Ans. A man- made object that has been purposely placed into the orbit around the earth is called an artificial satellites. Their uses are:-

- **Military satellite** – They can spy, guide missiles and even be used as weapons.
- **Communication satellite** – They send messages from one country to another.
- **Weather satellites** – They help with weather forecasting and also give warning.
- **Remote sensing** – These are helpful in locating mineral resources.

3 What are tides? How are high tides and low tides formed?

Ans. The rhythmic rising and falling of the ocean or sea water is known as tides. The gravitational forces of the sun and the moon combine to pull the earth's water causing high tides. In the areas between the two high tides, the water forms low tides.

4 Differentiate between solar eclipse and lunar eclipse

Ans. When the moon comes in between the sun and the earth, the moon casts its shadow on the earth this is called the solar eclipse.

When the earth comes in between the sun and the moon and casts its shadow on the moon it is called lunar eclipse.

Give Reasons

1. Why do astronauts need a special space suit?

Ans. Astronauts need a special spacesuit to protect themselves from cold, radiations and low pressure in space.

2. What would happen if there would be no communication satellite?

Ans. If there would be no communication satellite messages cannot be sent from one country to another.

Activity

Collect information about Kalpana Chawla's space mission and also paste relevant pictures in your notebook. Write information also.

Dictation

Any 10 words

Diagrams





