

Exercises

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QA. Tick the correct option.

1. The closest neighbour of earth in space is.

Answer - Moon.

2. The gravity of the moon is _____ of the gravity of the earth.

Answer - One sixth.

3. The moon reflects the light of _____.

Answer - Sun.

4. _____ occur due to revolution of Earth and Moon.

Answer - Eclipses.

5. _____ Satellite helps aircraft to find locations.

Answer - Navigation.

QB. Short answer type questions

1. Why does the amount of lighted side of the Moon that you see changes every night?

Answer- The relative positions of our Sun ,Earth and the Moon cause changes in every night.

OR

The amount of lighted side of the Moon that we see changes every night due to the rotation and revolution of the moon around the earth.

2. What is New Moon?

Answer- When the moon is not visible at all, it is called New Moon.

3. When does a total solar eclipse occur?

Answer- A total solar eclipse occurs when the moon covers the sun completely..

4. When do the highest tides occur?

Answer- The highest tides occur at the time of New Moon and Full Moon.

5. How does the communication satellite help us?

Answer- The communication satellite helps to relay television , radio and telephone transmissions from one location to another.

QC. Long answer type questions

1. Why is there no life on moon?

Answer- There is no life on the Moon because

- a) The moon is cool and dry.
- b) It has large circular holes on its ground.
- c) There is no air, water and thus no weather.

2. How are low and high tides formed?

Answer- Low tides --

The water of the seas on the side of the earth facing away from the moon rushes towards the side facing the moon. This causes low tides.

High tides--

The water of the seas on the side of the earth facing the moon is attracted upwards, when the moon's pull acts on the earth. This causes high tides.

3. How is an eclipse formed?

Answer- Eclipse formed due to the revolution of the earth and moon.

4. Why is the knowledge of the tides important to fishermen?

Answer- The knowledge of the tides is important to fishermen because during low tides they cannot bring back their boats to the shore as sea water goes far away from the shore.

5. What are weather satellites? what are they used for?

Answer- The weather satellite is a type of satellite that is used to monitor the weather and climate of the earth. They are used for forecast weather ,atmospheric condition and sending information about cyclone, storm, clouds and ocean currents.

QD. Fill in the blanks.

- 1. Solar eclipse occur when moon comes in between Sun and the earth.
- 2. Sputnik-1 was the first artificial satellite in the world
- 3. If your weight is 42 kg on the earth , you will weight 7 kg on the moon.

4. Large circular holes on the Moon are called to craters.
5. Scientific satellite study about the earth and atmosphere.

QE. Match the column.

- | | | |
|------------------|---|-------------------------------------|
| 1. Apple | - | communication satellite |
| 2. Aryabhata | - | First Indian satellite |
| 3. Sputnik 1 | - | First artificial satellite |
| 4. METSAT | - | Weather satellite |
| 5. Chandrayaan 1 | - | India's first man made lunar craft. |

QF. State true or false

1. We cannot hear anything on the Moon. True.
2. Tides are caused due to gravitational pull of the Moon. True
3. CARTOSAT - 1 is a weather satellite. False
4. When the moon is more than half, but not completely round, it gibbous moon. True
5. Corona can be seen during total solar eclipse. True

