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Class: V

Sub.tec: Naina paswan

Subject: SCIENCE

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BASED ON N.C.E.R.T PATTERN

LESSON: 14 HEAVENLY BODIES

V. Answer the following questions :

1. What is the difference between galaxy and constellation?
2. Explain the surface of the Moon.
3. Compare the size and gravity of the Moon with that of the Earth.
4. Why are meteors known as shooting stars and how are they different from the meteorites?
5. What are comets? Give one example.
6. What is an orbit?
7. Name some constellations.
8. Name all the eight planets in sequence from the sun.

ANSWERS:

Ans 1. Galaxies are the collection of billions of stars. Constellations are the collection of only a few stars. ... In constellations, the stars are arranged in patterns which resemble human beings or with some animals. In the universe, there are billions of galaxies.

Ans 2. The moon's surface is covered with dead volcanoes, impact craters, and lava flows, some visible to the unaided stargazer. ... They are

oceans of a sort, but rather than water, such bodies are made up of pools of hardened lava.

Ans 3. Earth's average surface gravity is about 9.8 meters per second per second. ... The Moon's surface gravity is about 1/6th as powerful or about 1.6 meters per second per second. The Moon's surface gravity is weaker because it is far less massive than Earth.

Ans 4. When meteoroids enter Earth's atmosphere (or that of another planet, like Mars) at high speed and burn up, the fireballs or “shooting stars” are called meteors. When a meteoroid survives a trip through the atmosphere and hits the ground, it's called a meteorite.

Ans 5. The definition of a comet is a celestial body that moves around the sun, and as it goes near the sun it forms a vapor trail of dust and gas that streams after it. An example of comet is Haley's.

Ans 6. Orbit is the path on which the planets move around the sun.

Ans 7. Their names are Sagittarius, Capricornus, Aquarius, Pisces, Aries, Taurus, Gemini, Cancer,

