

Universe:

Everything that exists, including galaxies, stars, planets, space, all matter, and energy is called universe. There are billions of galaxies in the universe.

The moon:

The moon is a space object that moves around the Earth.

Characteristics of moon:

- It has large sphere shape made of rock materials.
- It does not have its own light. It gets energy from sun.
- It has hills, mountains, and valleys which we can see through a telescope.



Moon phases:

The changing shapes of the bright part of the moon that we see are called phases of the moon.

The phases of the Moon are the different shapes the Moon looks from the Earth over about a month. As the Moon rotates around the Earth, the half of the Moon face will be illuminated by the sun. Each phase repeats itself every 28 days. There are eight phases of the moon. A phase is an angle of the moon to the earth so it appears differently every day.



eight phases of the Moon

Exercise:

1. Fill in the blanks with appropriate words:

- a) The _____ is an object in the solar system that moves around the Earth.
- b) The moon is a large sphere made of _____ materials.
- c) The _____ is made up of everything that exists, including galaxies, stars, planets, space, all matter and energy.
- d) The phases of the moon repeat in every _____.

2. Write the answer of the following questions in short:

- 1) What do you understand by universe?
- 2) What is the moon?
- 3) Write two characteristics of moon.

3. Write the answer of the following broad questions:

- a) Explain the phases of the moon.

4. Draw and label the phases of the moon.