

Lesson - 1 Our Earth in the Universe

Write Notes in your note book.

All the objects that we see in the sky are called heavenly bodies or celestial bodies. They include the stars, planets, satellites, comets, meteors, and asteroids. Our own earth is also a part of this system.

Astronomers ⇒ People who study celestial bodies and their movements are called astronomers.

Astronomy ⇒ The branch of science which deals with the study of celestial bodies is called astronomy.

Universe ⇒ (Latin Universus) is all about space and time and their contents, including planets, stars, galaxies and all other forms of matter and energy.

Big Bang ⇒ Most astronomers believe that the universe started about 15 billion years ago, with the gigantic explosion of a cosmic egg - the Big Bang.

Nebulae :⇒ These molecules came together and formed giant clouds of gases and dust particles called nebulae. Each nebulae had its own gravity and a spinning motion.

Galaxy :⇒ Millions of star, gas and dust held together by the force of gravity form a galaxy. The Universe consists of millions of galaxies. Our solar system belong to one of these galaxies called the Akash Ganga or the Milky way.

Stars :⇒ Stars are huge burning balls of hot gases which glow and shine in space. They are self luminous. They appear as tiny specks in the sky as they are far away from us. Star appear to twinkle.

All star except the 'Pole star' appear to move from east to west, due to the rotation of the earth on its own axis from west to east.

Word	Meaning
1 Astronomers	खगोलविदों
2 Astronomy	खगोल
3 Universe	ब्रह्मांड
4 Big - Bang	महा- विस्फोट
5 Nebulae	नीहारिकाओं
6 Gravity	गुरुत्वाकर्षण
7 Spinning	कतई
8 Galaxy	आकाशगंगा
9 Comets	बना होना
10 Orbit	कक्ष / क्षेत्र
11 Burning	जलता हुआ
12 Luminous	प्रकाशमान
13 Rotation	चक्कर
14 Axis	धुरी