

Earth as Part of the Solar System

F. Differentiate between the following:

1. Comet and Meteor
2. Star and Planet
3. Galaxy and Constellation
4. Meteoroids and Meteorites

Solutions

F. Differentiate between the following:

1.

COMET	METEOR
<ul style="list-style-type: none"> Made up of rocky material held together by frozen gases. 	<ul style="list-style-type: none"> It is also called a falling star or a shooting star.
<ul style="list-style-type: none"> It travels around the Sun in an oval- shaped path 	<ul style="list-style-type: none"> It appears when a chunk of rocky material called a meteoroid enter the Earth's atmosphere and burns up due to friction

2.

STAR	PLANET
<ul style="list-style-type: none"> Heavenly bodies having their own light. 	<ul style="list-style-type: none"> A planet is a large, round heavenly body.
<ul style="list-style-type: none"> Stars are gaint balls of gases. 	<ul style="list-style-type: none"> It moves around a star and shines with the light reflected from the star
<ul style="list-style-type: none"> A star begins as a collapsing cloud of gases called nebula. 	<ul style="list-style-type: none"> Planet of the solar system move around the sun in a fixed elliptical orbit

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| <ul style="list-style-type: none"> • They appear like dots of light because they are far away from us | <ul style="list-style-type: none"> • Each planet also rotates around its own axis |
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3.

GALAZY	CONSTELLATION
<ul style="list-style-type: none"> • The Galaxy is a cluster of millions of stars. • There are hundreds of billions of galaxies in the universe. • Galaxies come in many different sizes and shapes-, elliptical and irregular. • The milky way is a barred spiral galaxy 	<ul style="list-style-type: none"> • Constellations are groups of bright stars in the sky. • They form various patterns and ancient civilizations attributed figures of animals, people and beasts to these groups. • The most easily recognisable constellation is the saptarishi which is a group of seven stars. It is a part of the large Ursa Major Constellation.

4.

METEORIDS	METEORITES
<ul style="list-style-type: none"> • A meteoroid is a particle or chunk of rocky matter which enters Earth's atmosphere from outer space and burns up due to friction 	<ul style="list-style-type: none"> • When a meteoroid enters the Earth's surface, it is called a meteorite. • Meteorites produce craters on Earth's surface