

1.1 Origin of the earth and the solar system

Worksheet Two

Part I : Answer the following questions as True or False

1. The Earth and other planets were formed from cold, solid materials.
2. Gravity was the key force that caused the gases and dust to form a disc in space.
3. The Sun was formed from the outermost part of the gas and dust disc.
4. The Earth is estimated to be 4.6 billion years old.
5. Pluto is still officially considered one of the eight planets in the solar system.
6. The Sun is a planet that revolves around the Earth.
7. The Sun provides heat and light to the solar system
8. The Sun is made primarily of hot gases like hydrogen and helium.
9. All eight planets revolve around the Sun in circular orbits.
10. The inner planets are also known as terrestrial planets.
11. Outer planets are small, rocky, and close to the Sun.
12. The word “planet” is derived from a Greek word meaning “wanderer.”
13. The Sun contains more than 99% of the total mass of the solar system.
14. All planets in the solar system have solid, rocky surfaces.
15. Asteroids, meteoroids, and dwarf planets are smaller members of the solar system.

Part II : Match Column A with Column B . Put the correct letter from column “A” in the space provided in column “B”

Column A (Terms)

- | | |
|-------------------------------------|---|
| 1. Earth | Force responsible for pulling gases and dust Together |
| 2. Sun | Planets composed mainly of gases and large in size |
| 3. Gravity | The planet reclassified as a dwarf planet in 2006 |
| 4. Pluto | Main elements in the early swirling gas cloud |
| 5. Asteroids | Small rocky bodies, mostly found between Mars and Jupiter |
| 6. Hydrogen and Helium | The central and largest object in the solar System |
| 7. Inner Planets | The shape of planetary orbits |
| 8. Outer Planets | Another name for solid planets like Earth |
| 9. International Astronomical Union | Distant planets like Jupiter and Neptune |
| 10. Elliptical | Rocky planets close to the sun |
| 11. Terrestrial | The organization that redefined Pluto's status |
| 12. Gas Giants | A rocky planet, third from the Sun |