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ASSIGNMENT

THE SOLAR SYSTEM

The solar system is a gravitational bound comprising of the sun, the nine planets, and other components.

The sun is a star and it is the largest star that shines in the earth. The interior temperature of the sun is over $12,000^{\circ}\text{C}$ and the exterior is 6000°C . Its distance from the earth is 149.95 million km.

The nine planets are; mercury, Venus, earth, mars, Jupiter, Saturn, Uranus, Neptune, Pluto.

1. Mercury is the smallest and innermost planet in the solar system. It takes 88 days to orbit around the sun and its distance from the sun is 57,91 million km and it doesn't have any satellite {moon}.
2. Venus takes 225 days to orbit around the sun. Its distance from the sun is 108.2 million km and it also doesn't have any satellite.
3. Earth is the only planet that supports life. It takes 365 days to orbit around the sun and distance from the sun is 149.95 million km. Earth has only 1 moon.
4. Mars is said to be the next planet after Earth to support life. It takes 687 days to orbit around the sun. Its distance from the sun is 227.9 million km and it has 2 moons.
5. Jupiter is the largest planet and its distance from the sun is 778.5 million km. It takes 12 years to orbit around the sun and it is said that it has 67 moons. It is made up of many gases like; hydrogen, helium, and methane.
6. Saturn is the second largest planet with 3 rings around it. It takes Saturn 29 years to orbit around the sun. Its distance from the sun is 1.434 billion km and it has 62 moons.
7. Uranus is the only planet that rotates clockwise. It is the coldest planet in the solar system. Its distance from the sun is 2.871 billion km and it takes 84 years to orbit around the sun. It has 27 moons.
8. Neptune takes 164.8 years to complete its orbit around the sun. Its distance from the sun is 4.495 billion km. It has 14 moons.

9. Pluto is the smallest planet and its distance from the sun is 591km. it takes 284 years to orbit around the sun.

NOTE: Pluto is said to become extinct.

Other components of the solar system are Asteroids, comets, meteoroids, dust, Milky Way galaxy, star etc.