



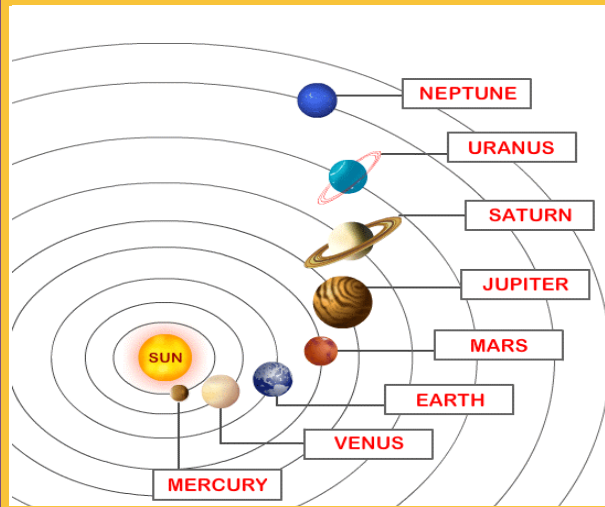
# Knowledge Bank: Year 5 Science - Stargazers (Earth & Space)

What is unique  
about our solar  
system?

## Key Vocabulary:

|              |                                                  |
|--------------|--------------------------------------------------|
| rotation     | A movement in a circle on a central axis.        |
| revolution   | A circular movement of an object around a point. |
| atmosphere   | The whole mass of air surrounding the Earth.     |
| orbit        | A path an object takes in space.                 |
| axis         | A line on which something rotates.               |
| Solar System | A system of planets that orbit the sun.          |

## Diagrams/Images:



## Key Facts:

The Earth takes 365 days to revolve around the Sun.

The Earth takes 24 hours to rotate on its axis, which causes day and night.

The Moon takes 28 days to revolve around the Earth.

The rotation of the Earth causes day and night.

All other objects are lumps of rock, metal or ice and can be seen because they reflect the light of stars.

The Earth is bigger than the Moon but smaller than the Sun.

## What I should already know:

|                                                                                                            |
|------------------------------------------------------------------------------------------------------------|
| Days are longer in the summer than in the winter.                                                          |
| Shadows are formed when light is blocked.                                                                  |
| Light from the sun is dangerous and there are ways to protect your eyes.                                   |
| There are patterns in the way that the size of shadows change.                                             |
| Gravity is what holds the planets in orbit around the sun and what keeps the moon in orbit with the Earth. |



A mnemonic to remember the names of the planets:

**My** (Mercury) **Very** (Venus) **Excellent** (Earth) **Mother** (Mars) **Just** (Jupiter) **Served** (Saturn) **Up** (Uranus) **Noodles** (Neptune)