

# The Earth

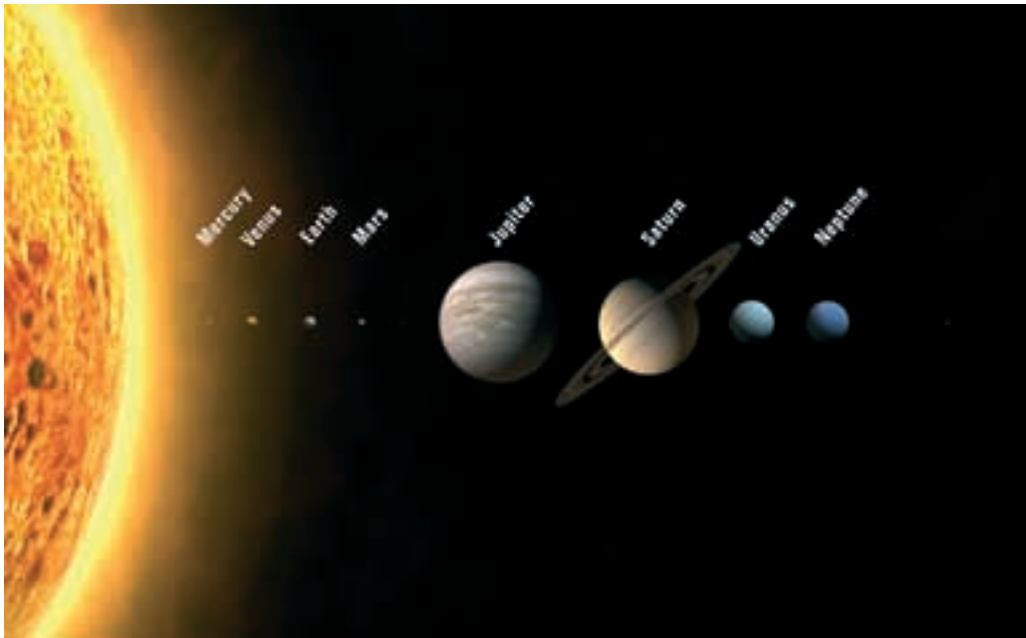
## Our Planet

The Solar System is a group of planets. These planets orbit the Sun. Our planet is the **Earth**. The Earth is the third planet in the Solar System.

The Earth revolves around the Sun and takes 365 days and six hours to complete its orbit. The

Moon is the Earth's satellite and it revolves around the Earth.

The shape of the Earth is like a sphere. Do you know why the Earth is called the Blue Planet? Because from space the Earth looks blue.



There are eight planets in the Solar System.

## The Layers of the Earth

There are three outer layers of the Earth.

The **lithosphere** is the solid surface of the Earth. Continents and the areas on the sea beds form the lithosphere. We live on the lithosphere and build our houses on it. \_\_\_\_\_

The oceans, seas, rivers and lakes form the **hydrosphere**. This layer of water covers three quarters of the surface of the Earth. \_\_\_\_\_

The **atmosphere** is a layer of gases and it surrounds the Earth. You can see clouds in the atmosphere. \_\_\_\_\_



## The Movements of the Earth

Rotation and revolution are the movements of the Earth.

The Earth turns on its own axis. The name of this movement is **rotation**. The Earth completes a full circle in 24 hours. The Earth's rotation creates day and night. It's day on that part of the Earth facing the Sun and it's night on the opposite side of the Earth.

The Earth orbits the Sun. This movement is called **revolution**. The Earth completes one full circle around the Sun in 365 days and six hours. These are the 365 days of the year. As a result of the revolution, there are four seasons: spring, summer, autumn and winter. When one part of the Earth receives a lot of heat and light from the Sun, it's summer. At the same time, in another part of the Earth, the light and the heat of the Sun isn't so intense and it's winter.



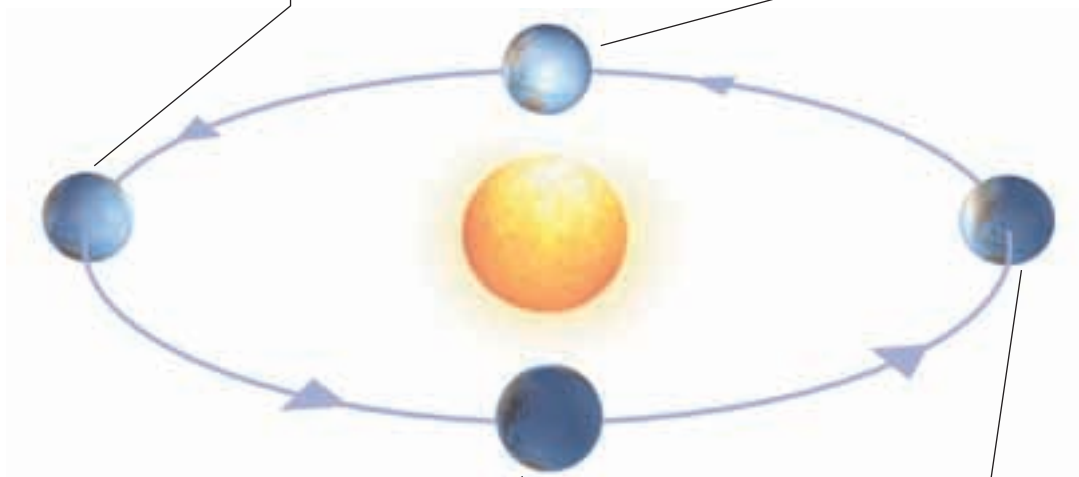
The Earth turns on its own axis.

Northern Hemisphere: spring  
Southern Hemisphere: autumn

Northern Hemisphere: winter  
Southern Hemisphere: summer

Northern Hemisphere: summer  
Southern Hemisphere: winter

Northern Hemisphere: autumn  
Southern Hemisphere: spring



# The Earth

- 1** Oh, no! Aliens have stolen the planets. Write the names of the planets in the correct order from the Sun.



- |                |         |
|----------------|---------|
| 1 _____        | 5 _____ |
| 2 _____        | 6 _____ |
| 3 <u>Earth</u> | 7 _____ |
| 4 _____        | 8 _____ |


- 2** What objects can you find in the Solar System? Match the names with the definitions.

- |                      |   |
|----------------------|---|
| 1 The Sun            | a Small bodies made of dust, ice and rocks. They have a tail.       |
| 2 Asteroids          | b Large round objects. They move around the Sun in circular orbits. |
| 3 Comets             | c The enormous yellow star in the middle of the Solar System.       |
| 4 Natural satellites | d These bodies orbit planets.                                       |
| 5 Planets            | e Rocks floating in space.  |

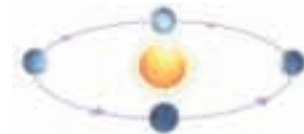
- 3** Find words related to our planet in the wordsnake.



- 4** The surface of the Earth has three layers, the atmosphere, the hydrosphere and the lithosphere. Where can you find these things? Write *atmosphere*, *hydrosphere* or *lithosphere* beside each picture.

- |   |  |                   |
|---|--|-------------------|
| 1 |    | <u>atmosphere</u> |
|   | cloud  |                   |
| 2 |    | _____             |
|   | wave   |                   |
| 3 |    | _____             |
|   | glacier  |                   |
| 4 |   | _____             |
|   | mountain   |                   |
| 5 |  | _____             |
|   | lightning  |                   |

- 5** What season is it for a person in the Northern Hemisphere if it's summer in the Southern Hemisphere?



- 6** The aliens from exercise 1 want to know more about the Earth. Write a paragraph with a description of your planet.

The Earth is the third planet from the Sun. It has ...

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# The Earth

**1** How much do you know about the Earth? Do the quiz below and find out.

**1** The most common gas in the atmosphere is:

- a** oxygen ☐
- b** carbon dioxide ☐
- c** nitrogen ☐

## 2 The Earth's crust is made of:

- a** rocks and minerals ☐
- b** water and ice ☐
- c** nitrogen and oxygen ☐

**3** When water vapour condenses it becomes:

- a** ice ☐
- b** liquid ☐
- c** steam ☐

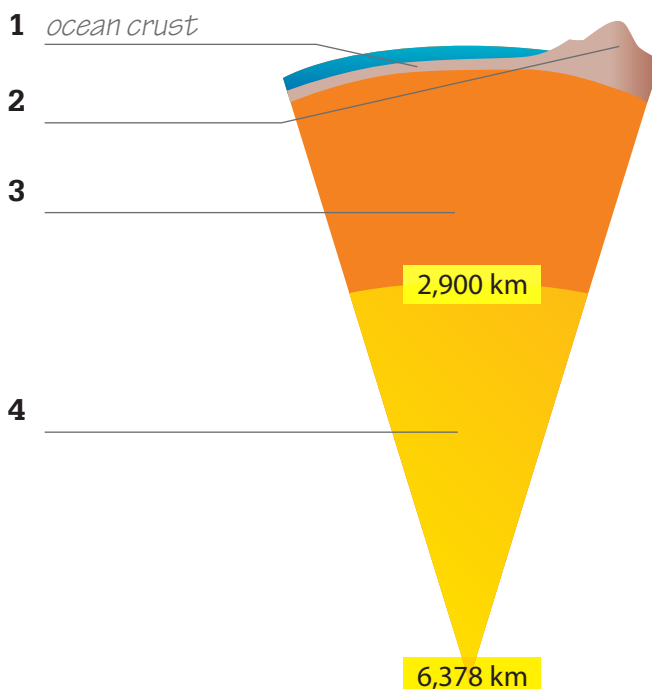
**4** When water becomes steam we call this:

- a** condensation ☐
- b** solidification ☐
- c** evaporation ☐

**5** The hydrosphere contains water in two states:

- a** solid and liquid ☐
- b** solid and gas ☐
- c** liquid and gas ☐

**2** Here is a section of the Earth. The Earth has several layers. Write their names on the diagram.



**3** Imagine that you are going on a journey to the centre of the Earth. Write about the changes you find as you travel through the different layers from the surface to the centre.

I'm going on a journey to the centre of the Earth.

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