

## UNIT 1

## OUR PLANET

## 1. Match each word with its definition.

- |              |   |   |                                                                  |
|--------------|---|---|------------------------------------------------------------------|
| Galaxies     | • | • | A collection of gas, dust, planets and stars                     |
| Planets      | • | • | Galaxy that contains the Earth                                   |
| Solar System | • | • | Our planet                                                       |
| Milky Way    | • | • | Includes a central star and eight planets that orbit it          |
| Earth        | • | • | Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune |
| Moon         | • | • | Earth's natural satellite                                        |

## 2. Why does the Earth have got life? Complete the text with the missing words.

atmosphere    temperature    life    chemicals    water    respiration  
Sun    rocks

The Earth is the only planet that has got \_\_\_\_\_. This is because the temperature is perfect, there's liquid \_\_\_\_\_ and lots of \_\_\_\_\_ living things need to survive.

Also, the \_\_\_\_\_ is a mixture of gases that surrounds the Earth. The atmosphere regulates the \_\_\_\_\_ on the Earth, protects us from the \_\_\_\_\_, provides us with oxygen for \_\_\_\_\_ and stops \_\_\_\_\_ from space hitting the Earth. Without the atmosphere water can't exist in liquid form.

## 3. What movement of the Earth causes day and night?



Use the map above to help you answer a) and b)

a) Find one country where it's daytime. \_\_\_\_\_

b) Find one country where it's night-time. \_\_\_\_\_

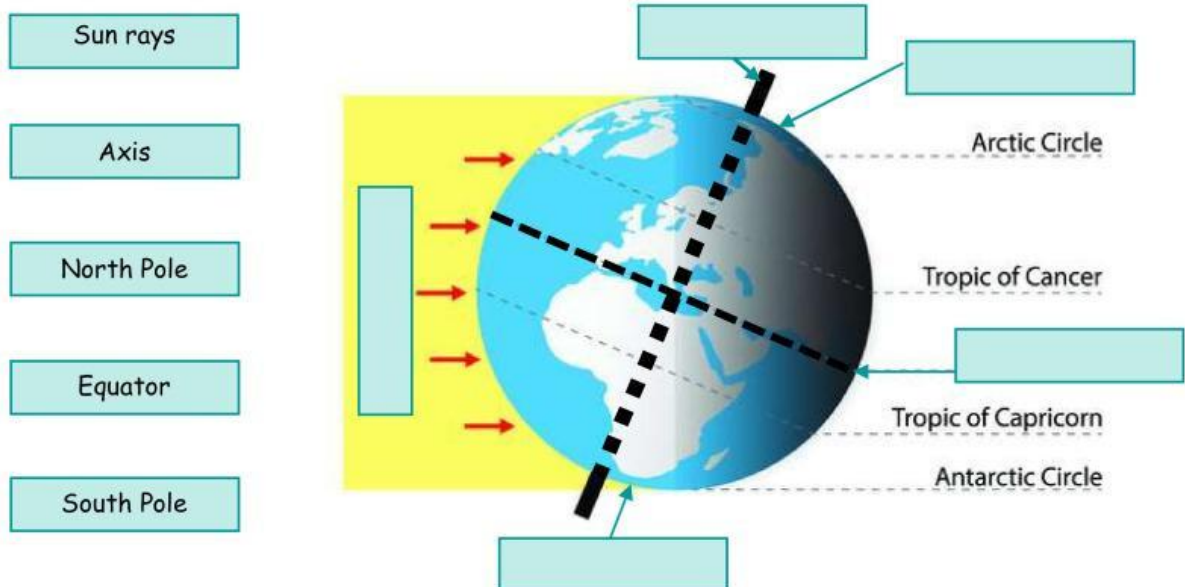
4. Read the text and fill in the gaps.

*axis   rotation   24 hours   day   South Pole   Earth's tilt   23,5*

The Earth spins on its axis. This is called \_\_\_\_\_ and it causes day and night. Rotation movement takes \_\_\_\_\_, which means the Earth takes 24 hours to complete one rotation. This is equivalent to 1 \_\_\_\_\_.

The Earth \_\_\_\_\_ is an invisible line between the North Pole and the \_\_\_\_\_. It isn't completely vertical: this is called the \_\_\_\_\_. The Earth's tilt angle is about \_\_\_\_\_ degrees. Because of the tilt, the hours of sunlight vary in different places as the Earth rotates.

5. Label the diagram about Earth's rotation movement.

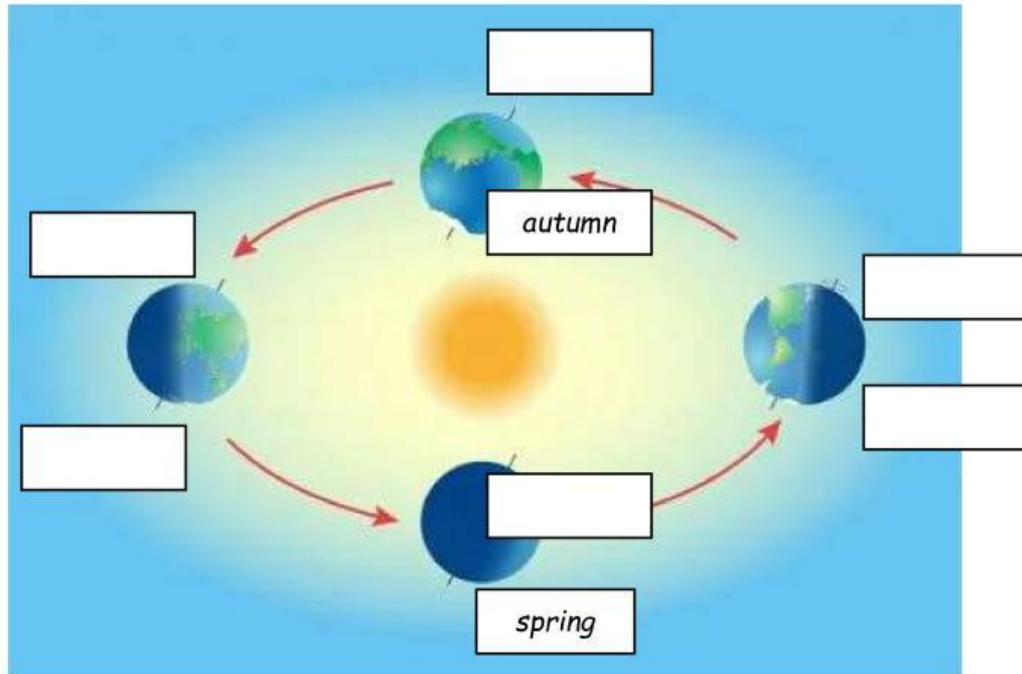


6. Read the text and fill in the gaps. Then, label the diagram with the right season.

*summer   winter   revolution   seasons   longer   365   shorter*  
*hours*

The Earth orbits around the Sun. This movement is called \_\_\_\_\_. It takes \_\_\_\_\_ days and 6 \_\_\_\_\_ for the Earth to complete one revolution around the Sun. The Earth's revolution and the Earth's tilt cause the \_\_\_\_\_, because some parts of the Earth get more light and heat.

- When the North Pole is tilted towards the Sun the days are \_\_\_\_\_ and warmer in the Northern Hemisphere. It's \_\_\_\_\_.
- When the North Pole is tilted away from the Sun, the days are \_\_\_\_\_ and colder in the Northern Hemisphere. It's \_\_\_\_\_.



7. Are the following sentences true or false? Write T (true) or F (false). If they're false, correct them in your notebook.

- It takes 48 hours for the Earth to complete one rotation. \_\_\_\_\_
- The Earth's tilt is 23.5 degrees. \_\_\_\_\_
- It's daytime for the half of the Earth facing away from the Sun. \_\_\_\_\_
- It's night-time for the half of the Earth facing the Sun. \_\_\_\_\_
- The sun comes up in the east and comes down in the west. \_\_\_\_\_
- The hours of sunlight are always the same. \_\_\_\_\_
- It takes 364 days and 6 hours for the Earth to complete one revolution. \_\_\_\_\_
- The Earth's tilt doesn't cause the seasons. \_\_\_\_\_

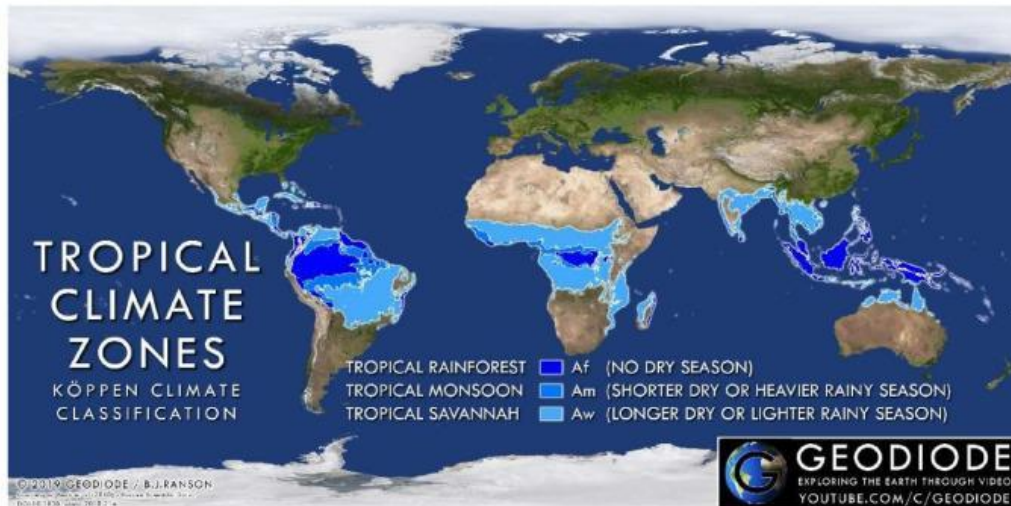
8. Complete the following chart about seasons characteristics.

|                           | Lowest temperature<br>Highest temperature | Temperatures go up<br>Temperatures go down | Days are longer<br>Days are shorter |
|---------------------------|-------------------------------------------|--------------------------------------------|-------------------------------------|
| Characteristics of winter | Characteristics of spring                 | Characteristics of summer                  | Characteristics of autumn           |
|                           |                                           |                                            |                                     |
|                           |                                           |                                            |                                     |

9. Look at the map below. Find a country which has got both wet and dry seasons. What does it mean?

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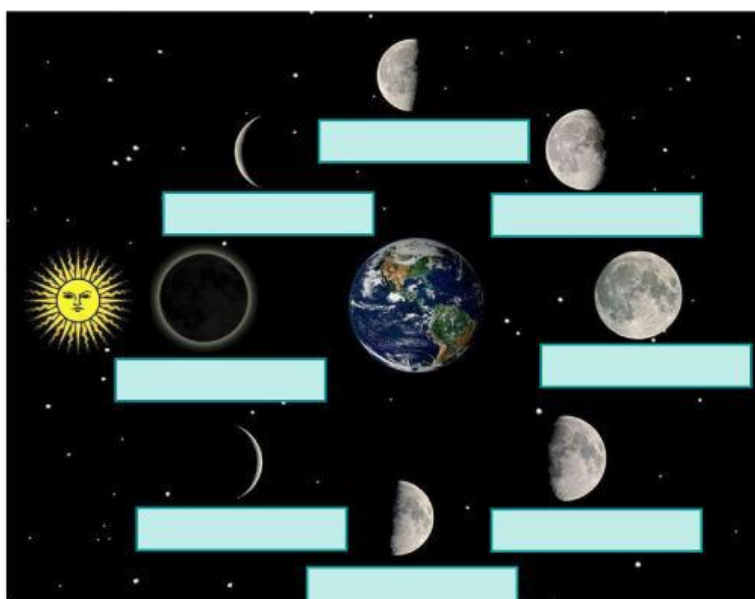
10. What's the moon? How many phases does it have? How long does it take for the moon to complete one revolution around the Earth? Then, label the diagram.

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Last quarter    Waning Gibbous    Waxing Gibbous    Full Moon    New Moon  
First Quarter    Waning Crescent    Waxing Crescent



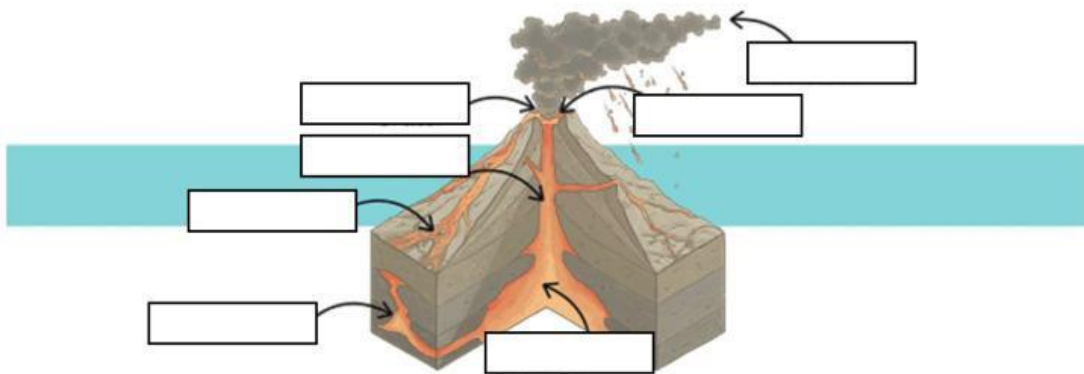
11. What natural hazards are? How are they related to natural disasters? Name two examples.

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12. Label the diagram about the parts of a volcano.

crater lava magma magma chamber vent ash cloud conduit



13. How does an earthquake happen?

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