

## The universe and planet Earth (unit 1 study)

The water cycle: What is each stage of the water cycle?



**Evaporation:** When the warmth from the \_\_\_\_\_ causes water from \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ to rise into the air as \_\_\_\_\_ (water vapour).

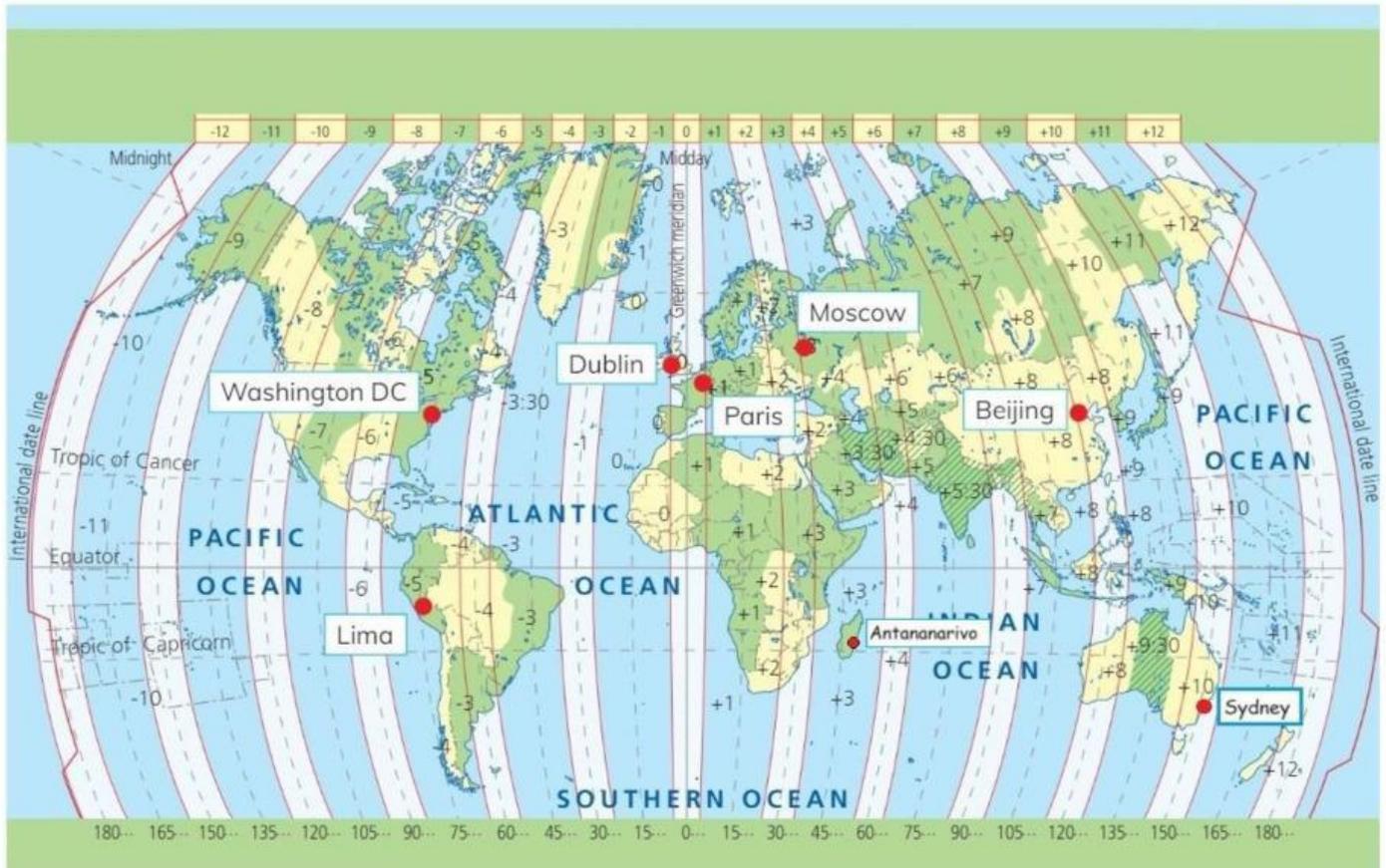
**Precipitation:** When water (in the form of \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ or \_\_\_\_\_) falls from \_\_\_\_\_ in the sky.

**Collection:** When water that falls from the \_\_\_\_\_ as \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ or \_\_\_\_\_, collects in the \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_. Most will infiltrate (soak into) the ground and will collect as \_\_\_\_\_ water.

**Condensation:** When water vapour in the air \_\_\_\_\_ and turns back into \_\_\_\_\_ water. The water vapour joins together to form water \_\_\_\_\_ in clouds.

(Key words: clouds, sun, oceans, lakes, rivers, droplets, streams, underground, gas, cools down, rain, snow, hail, sleet)

Calculate the time in these different time zones:



b. If it's 3:00am in **Washington DC** what time is it in these capital cities?

Antananarivo

Lima

Moscow

Beijing

Paris

Sydney

Dublin

Antananarivo = \_\_\_\_\_

Lima = \_\_\_\_\_

Moscow = \_\_\_\_\_

Beijing = \_\_\_\_\_

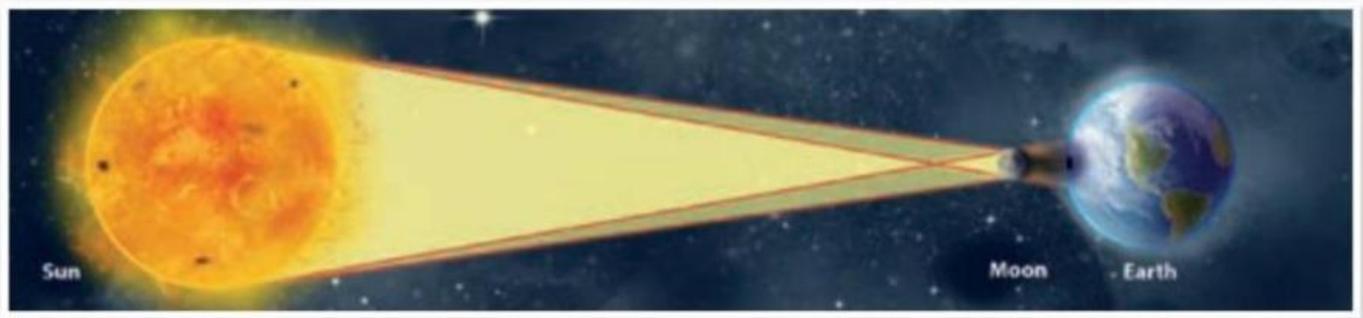
Paris = \_\_\_\_\_

Sydney = \_\_\_\_\_

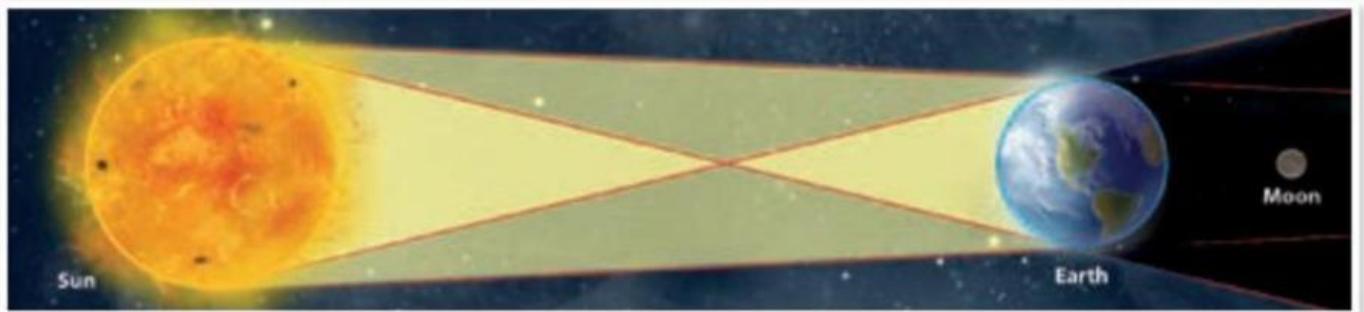
Dublin = \_\_\_\_\_

Why is **Paris** in **Zone 1** instead of zone 0?

- Paris decided to have the same time zone as Germany during WW2.
- Paris likes to have 1 more hour than England.
- Paris is not in the same time zone as Madrid.



This is a \_\_\_\_\_ eclipse.



This is a \_\_\_\_\_ eclipse.

**Key words:** *darkness, Earth, darker, moon, Earth, moon, Earth, penumbra, moon.*

A **solar** eclipse is when the \_\_\_\_\_ goes in front of the \_\_\_\_\_. A part of the \_\_\_\_\_ is then in \_\_\_\_\_.

A **lunar** eclipse is when the \_\_\_\_\_ goes in front of the \_\_\_\_\_. The moon then has a \_\_\_\_\_ colour or has a \_\_\_\_\_.

## Space objects

Connect the descriptions to the picture and then the picture to the name.

Started an orbit  
Intentionally placed to investigate space  
The moon

Space rocks  
Orbit the sun

snowballs of frozen gases, rock, and dust  
Orbit the sun

Space rocks that burn when they enter the Earth's atmosphere  
"shooting stars"



Comet

Meteoroid

Asteroid

Satellite