

FACTORS THAT INFLUENCE CLIMATE

worksheet 1

Name _____

Date _____



STARTER Look at the weather symbols and answer:

What's the weather like today? _____

WHAT'S CLIMATE?

Watch the beginning of the video "Basics of geography- climate". <https://youtu.be/95TtXYjOEv4>

Which of the following definitions of climate is used in the video? Tick it.

Climate is the condition of the atmosphere at a particular place over a long period of time.

Climate is the weather pattern of a region of the world over a long period of time.

Climate is the average weather for a place over a period of many years.

WHAT ARE THE FACTORS THAT DETERMINE CLIMATE?

Watch all the video and write the climate factors in the same order as they appear in it.

1. The SUN
2. _____
3. _____
4. _____
5. _____
6. _____

Name_____

Date_____

THE FIRST FACTOR IS THE SUN*Before watching the video, match the words and the definitions; you can use a dictionary.*

the Sun

An imaginary line running through the centre of the earth from the North Pole to the South Pole

the Earth

Our planet

axis

The source of all light and warmth for every place on earth

rotation

When our hemisphere is tilted towards the Sun and receives more sunlight and warmth

revolution

The spinning of the Earth on its axis, the Earth makes a complete rotation in about 24 hours

winter

The movement of the Earth around the Sun completed in one year

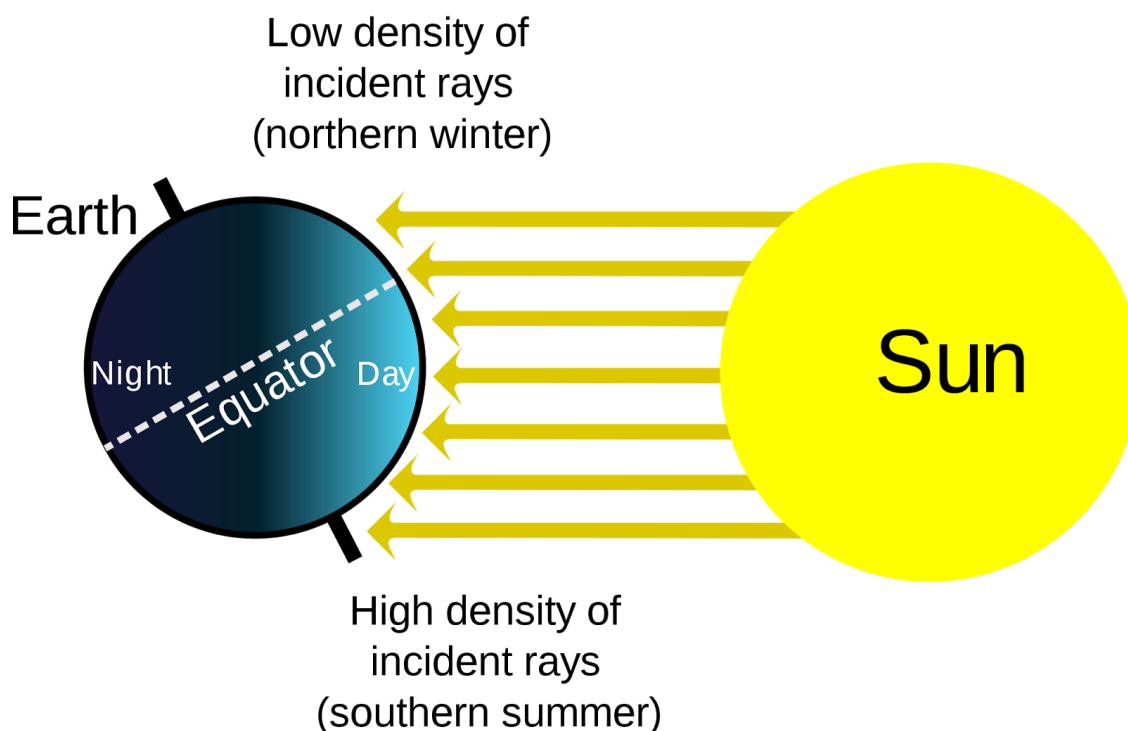
summer

When our hemisphere is tilted away from the Sun and receives less sunlight and warmth

Watch the first part of the video (0.43 – 3.00) and check.

Name _____

Date _____

HOW DOES THE SUN INFLUENCE CLIMATE? WHY DO WE HAVE DIFFERENT SEASONS?*Look at the picture below and watch the video again (first part).**Now complete the answer to the questions above.*

The Sun influences climate because it is the source of all light and warmth.

We have different seasons because the Earth moves around the Sun with an oblique _____.

When the northern hemisphere is tilted away from the sun, it receives less sunlight and warmth than the southern hemisphere and the density of the incident _____ is lower.

Consequently, we have winter in the northern hemisphere and _____ (the opposite season) in the southern hemisphere.

If December, January and _____ are winter months in Italy, they are summer months in countries like Argentina, South Africa and _____.

FACTORS THAT INFLUENCE CLIMATE

worksheet 4

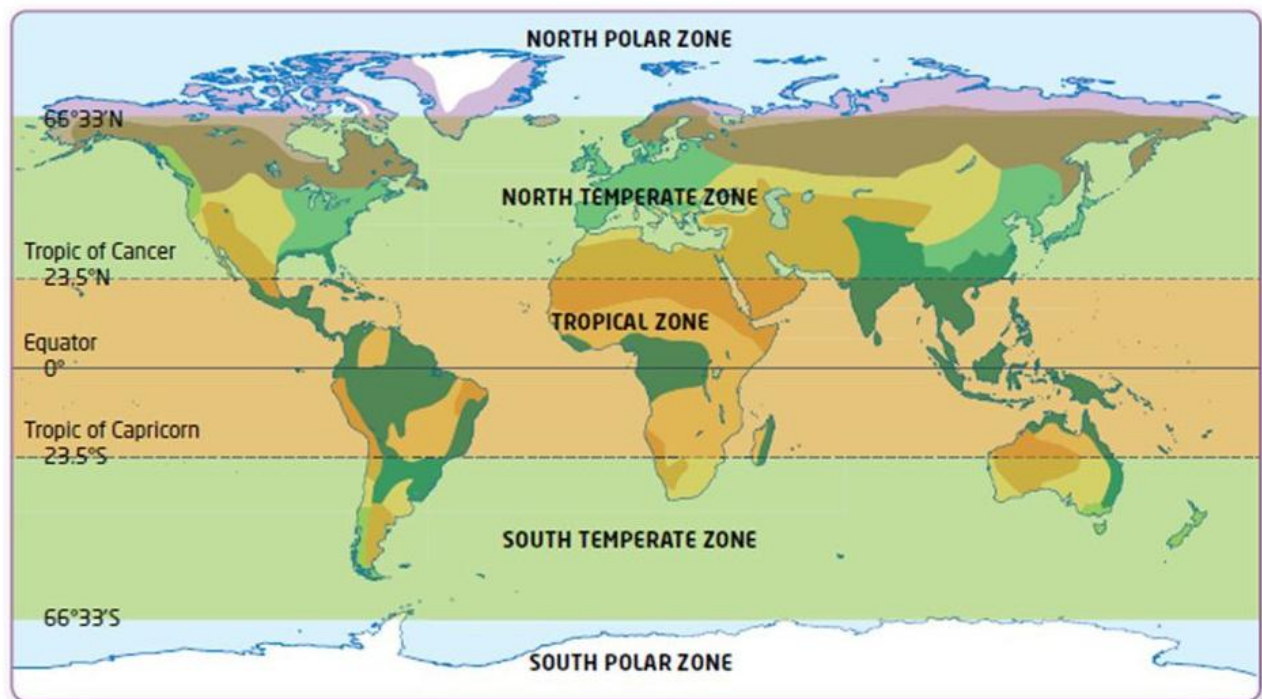
Name _____

Date _____

THE SECOND FACTOR IS LATITUDE

Read the definition of LATITUDE and watch the second part of the video (3.00 – 5.25).

Latitude is the distance of a place from the Equator. The climate of a place depends mainly on this distance.



Answer the following questions with the help of the map.

What are the names of the main latitude lines? _____

Where is the tropical zone? _____

Why is the climate warm there? _____

How many temperate zones are there? _____

Why are the two areas north of the Arctic Circle and south of the Antarctic Circle very cold?

In which zone is Italy located? Is your country located in the same zone?

What kind of climate does your country have? _____

FACTORS THAT INFLUENCE CLIMATE





worksheet 5

Name _____

Date _____

THE OTHER FOUR CLIMATE FACTORS

Look and listen to the third part of the video (5.25 – 7.11), write the factors and complete the information in the table below.

FACTOR	INFORMATION GIVEN
 <p>-----</p>	<p>It is the hight of an area above sea level. Generally, the higher an area's _____ the colder is _____. Snow can be found on top of high _____ even when the weather is _____ in the valleys.</p>
 <p>-----</p>	<p>In some places it snows or _____ nearly every day; other places can be completely dry for _____ periods, with rain coming only in certain _____. (The monsoon season in India)</p>
 <p>-----</p>	<p>Winds blowing from the _____ bring warm air and winds blowing from the _____ regions bring cold air.</p>
 <p>-----</p>	<p>They can carry warmth or coolness from one _____ of the world to another. One example of this is the Gulf Stream; its _____ carry warm water from the Gulf of _____ to Great Britain and Norway.</p>

FACTORS THAT INFLUENCE CLIMATE

worksheet 6

Name _____

Date _____

THE IMPACT OF CLIMATE ON PEOPLE'S LIFE



Watch the last part of the video (7.11 – 9.00) and answer the questions:

1. What do people living in hot countries wear?

2. What do people living in very cold countries wear?

3. What kind of houses do they live in?

4. Where do most people choose to live? Why?

GROUP WORK: *work with other classmates and make posters in order to present the factors that influence climate to the students of another class. You can consult internet sites, books and atlases and you can add photos, drawings, graphs and maps to the written explanations.*