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Maps and Globes

Focus On

- ◆ Globes
- ◆ Maps
- ◆ Sketches
- ◆ Continents and Oceans



HERE WE GO.....

Have you ever thought how do ships and aeroplanes reach their destinations. They take the help of one of the following things. Tell the thing :

- A. A dictionary B. A cookery book C. A map

Sailors of ancient times such as Ferdinand Magellan, Marco Polo and others proved that the Earth is not flat but spherical in shape. Actually, the Earth has an orange like shape, slightly flattened at the top and bottom.

Globes

A **globe** is a miniature model of the Earth. It shows land and water places on the Earth. We can see all the parts of the Earth by rotating it. It is a ball fixed to a stand in a tilted position as the Earth is tilted in its orbit.

There is an imaginary line on a globe that divides the Earth into two halves. This line is called **Equator**.

Globe does not show the detailed knowledge about various places. For it, maps are used.



A Globe

Maps

A map is a pictorial representation of the Earth on a flat surface like paper. It has a **scale** and chosen **symbols** or **keys**. Symbols are used to show particular places like rivers, airports, capital cities etc.



The **key** explains what do the symbols used in the maps denote.

We can calculate real distance between two places with the help of the map. There are different kinds of maps, such as :

Physical Map shows natural features like land, mountains, rivers, lakes, deserts, plateau etc.

Political Map shows the boundaries of states, countries, village, city etc.

Theme based Map shows different places with same features such as heavy rainfall areas, muddy land areas, areas where rice is grown etc. The people who make maps are called **cartographers**.



A Physical Map of India

Sketch

The maps drawn on the basis of observations are called **sketches**. This is just like we remember the way to go to a particular place. It consists of all the important features of a place.

Prominent **landmarks** are shown in the sketch. The buildings or places that are well known to everybody are called **landmarks**. They are used to guide somebody to reach a place. It may be a building of bank, hotel or hospital or some monument like the Taj Mahal or some fountain, canal etc.



A Sketch Map



Directions

Do you know from where does the sun rise? **East** yes, if you are standing facing the East, the **West** would be behind you. **South** is on your right and **North** is on your left. These four directions are called **cardinal directions**.

The points where these directions seem to meet are called as North-East, South-East, North-West, South-West.



A Compass

Researchers who go to distant places for their work keep a watch like instrument with them. This is called **compass**. It has a needle which always points to the North. If you know the North direction, you can identify other directions too.

Fact Byte

A collection of maps of different parts of the Earth compiled together as a book is called an **Atlas**.



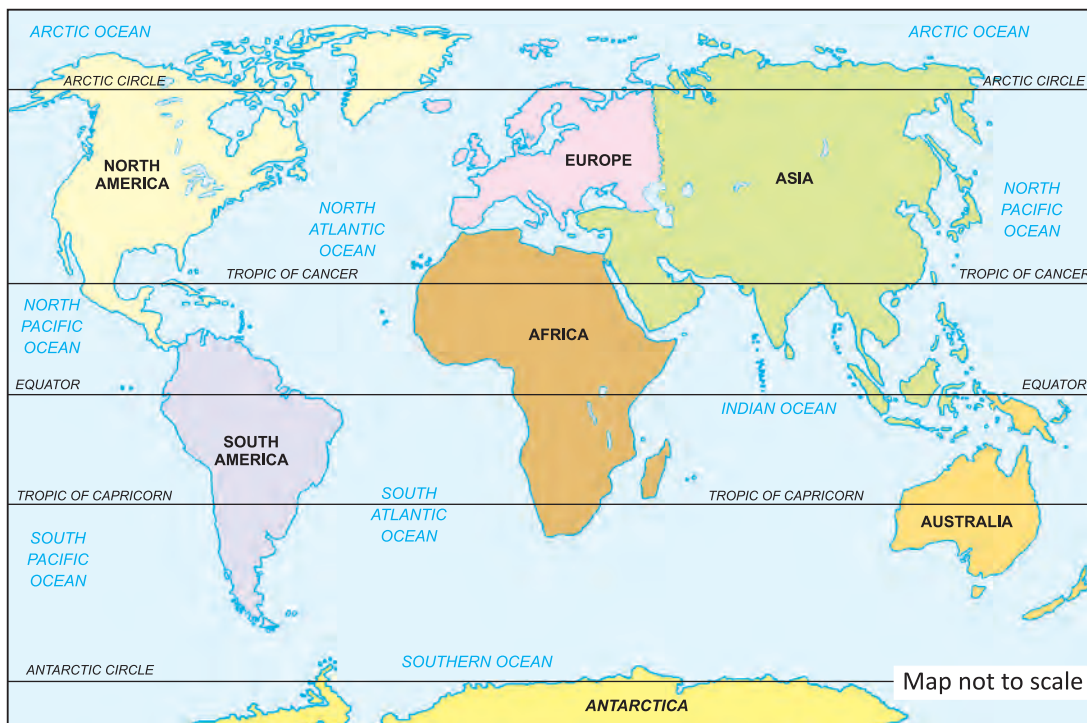
FOLLOW IT



While going to a new place, always carry a map. It will help you reach your destination easily.

Continents and Oceans

Many years ago, there was only a huge landmass on the Earth that was surrounded by water. Gradually it began to split into pieces and all the pieces moved away from each other. These pieces of lands are called **continents** and water bodies around them are called **oceans**.



Continents and Oceans



Africa, Asia, Australia, Europe, North America, South America and Antarctica are seven continents.

Arctic Ocean, Atlantic Ocean, Pacific Ocean and Indian Ocean are four oceans.

Fact Byte

The name of largest and smallest oceans are Pacific Ocean and Arctic Ocean.

LET'S DO

Find the name of the only country in the world which has ocean named after it.

Flash On

- ◆ A globe is a miniature model of the Earth.
- ◆ The Equator is an imaginary line, it divides the Earth into two equal halves.
- ◆ A map is pictorial representation of an area on a flat surface.
- ◆ Four cardinal directions are East, West, North, South.
- ◆ There are seven continents and four main oceans on the Earth.



Stir Up Your Mind

A. Tick (✓) the correct answer :

- It is a model of the Earth.
(a) Globe (b) Map (c) Sketch
- The large landmasses on the Earth are called :
(a) plains (b) continents (c) oceans
- The number of main or cardinal directions are :
(a) two (b) three (c) four
- A compass needle always points to :
(a) North (b) South (c) nowhere
- If we face the Sun, the direction behind us is :
(a) East (b) West (c) North

B. Fill in the blanks by using words from the given box :

sketch, oceans, theme-based map, landmarks, North

- A theme based pictorial presentation of an area is called _____.
- _____ are known to every person and help identifying the place nearby.



3. A _____ is a rough drawing of place.
4. The needle of a compass always points to the _____.
5. Large water bodies on the surface of the Earth are called _____.

C. Write 'T' for True and 'F' for False :

1. A model of the Earth is called a map.
2. There are four cardinal directions.
3. The needle of a compass always points to the West.
4. If you are facing towards the rising Sun, the direction in front would be South.
5. Large water bodies around continents are called oceans.



D. Match the following :

- | | |
|---------------------------------|---------------|
| 1. Instrument to find direction | (a) continent |
| 2. Four main directions | (b) compass |
| 3. Huge landmass on the Earth | (c) cardinal |
| 4. A large body of salty water | (d) equator |
| 5. An imaginary line | (e) ocean |

E. Answer the following questions in short :

1. What is a globe?
2. What is equator?
3. Define landmarks. Give examples too.
4. What are oceans?
5. Write the names of cardinal directions.

F. Answer the following questions in detail :

1. How are symbols and keys useful in a map?
2. How can we identify cardinal directions while standing facing the rising Sun?
3. How were the continents formed? Name the continents.



Practice Time

QUIZ

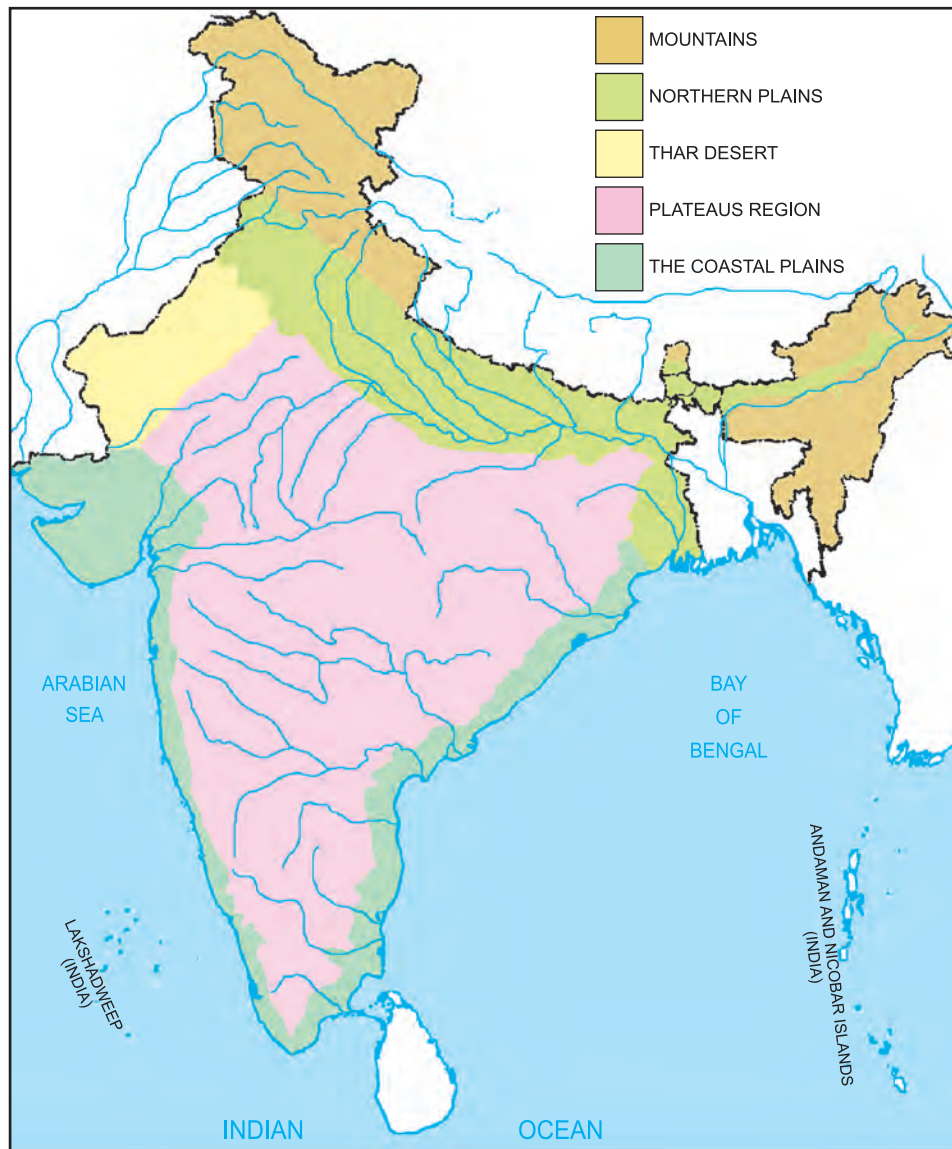
- A.**
1. Name the largest ocean.
 2. Name the smallest continent.
 3. Which is the easternmost state of India?
 4. Name the ocean which has been named after a country.
 5. How many countries are there in Asia?






B. Make a sketch of the way from your house to school. Highlight landmarks too.



□ DO IT

See the given physical map of India and decode the colour keys :



	_____
	_____
	_____
	_____
	_____

□ HOTSPOT

You want to visit the Book Fair held in your city. What will you use to find directions to it, a globe or a map? Why?

