

## CLASS V

### SOCIAL- SCIENCE

#### CHAPTER 1. THE EARTH AS A GLOBE

(This chapter contains all about our planet “The Earth” its features, facts that tells us more about our planet)

**Explanation:-**As we all know the only place where life exists in the universe is only one planet i.e our earth. As we know that our earth, our world is very large with many animals, plants species including human. There are many galaxies, stars and planets in the universe which are bigger than the Earth.

#### **Some facts about the Earth:**

- The Earth is the third planet from the Sun.
- Earth formed over 4.54 billion years ago.
- 71% of the Earth’s surface is covered by water.
- Earth rotates on its own axis actually it takes 23 hours, 56 minutes and 4 seconds to complete its rotation.

Earth appears as a ball with large blue portions. The blue portions are actually the oceans on the earth.

#### **There are four oceans on the earth. (learn this)**

- The Pacific Ocean
  - The Atlantic Ocean
  - The Arctic Ocean
  - The Indian Ocean (Because it is located at the southern part of our country so it is called Indian ocean)
  - Only one-third of the Earth is land area it divided into 7 huge landmasses called continents.
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- Asia, Africa, Australia, Europe, North America, South America and Antarctica.

## SHAPE OF THE EARTH

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The Earth appears as ball from the space. It was Nicolaus Copernicus, as an astronomer of Poland, who first came out of with theory that the Earth is spherical in shape. A **globe** is a true model of the Earth. With the help of a globe we can better understand some features of the Earth.

### SOME FEATURES OF THE EARTH ON A GLOBE.

- **POLES AND AXIS:** The two end points of the globe are called poles of the earth. The North Pole is on the top of the globe and The South Pole at the bottom of the globe. An imaginary line which joins the two poles is called the axis of the Earth. The Earth rotates on its axis.
  - **EQUATOR:** The line between the two poles in the middle of the globe is called Equator. It divides the earth into two equal parts i.e Northern Hemisphere and Southern Hemisphere.
  - **LATITUDES:** They are imaginary horizontal lines running east to west on the globe.
  - **LONGITUDES:** They are the imaginary semi-circles that run from pole to pole.
  - **PRIME MERIDIAN:** The longitude at 0° is called the Prime Meridian.
  - **INTERNATIONAL DATE LINE:** The International Date Line is defined as an imaginary line that goes north and south through Pacific Ocean.
  - For more detail open link- [www.school-for-champions.com](http://www.school-for-champions.com)
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### Book Exercise

**B. Fill in the blanks.** (Please write it in your text-book as C.W)

i. Universe    ii. Oceans    iii. Land    iv. Poles    v. lines

**C. State True or False.**

i. True    ii. True    iii. True    iv. False    v. True

**D. Choose the correct option.**

- i. 0°                      ii. 24 hours                      iii. E                      iv. 0°

**C. Match the column.**

- i. Equator    ii. Greenwich                      iii. Imaginary semi-circles                      iv Northern Hemisphere  
v. Axis

**A. Answer the following. (Write all the given answers in your note book as C.W)**

1. What is the Equator?

**Ans.** The Equator is a line between the two Poles in the middle of the globe. It divides the Earth in two equal parts i.e Northern Hemisphere and Southern Hemisphere.

2. Name the two hemispheres formed by the Equator.

**Ans.** The two hemispheres formed by the Equator are.

- i. Northern Hemisphere                      ii. Southern Hemisphere

3. What is the difference between latitudes and longitudes?

**Ans.**

**LATITUDES**

**LONGITUDES**

- i. Latitudes are the imaginary horizontal lines running through east to west or west to east on the globe
- ii. Latitudes runs parallel to the Equator.
- iii. Latitudes decrease in size as we move from the Equator towards the Poles.

- i. Longitudes are imaginary circles that runs from pole to pole.
- ii. Longitudes are also called meridians.
- iii. Longitudes are 360, all the longitudes are of the same length.

4. What is Prime Meridian?

Ans. The longitude at  $0^\circ$  is called the **Prime Meridian** it passes through Greenwich which is near London in the United Kingdom (U.K).

5. How many continents are there on the Earth? Name them.

Ans. There are 7 continents on the Earth.

Asia, Africa, Australia, North America, South America, Europe and Antarctica.

6. What is the International Date Line?

Ans. The meridian along  $180^\circ$  longitude opposite the Prime Meridian ( $0^\circ$  longitude) is called the **International Date Line (IDL)**.

- **Draw diagram of Parallels of latitude and Parallels of longitude.**  
(Note... Read all the notes given above and write answers in your notebook as your C.W.... Stay at home and be safe God bless you.)