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CLASS: IV

Subject: Social Studies

Date:12/06/2020

Topic: The Four Domains of the Earth

Time Limit: 30 Mins

Worksheet No. :13

[Copy the questions following the notes and solve them on a sheet of paper date wise. Keep the worksheets ready in a file to be submitted on the opening day].

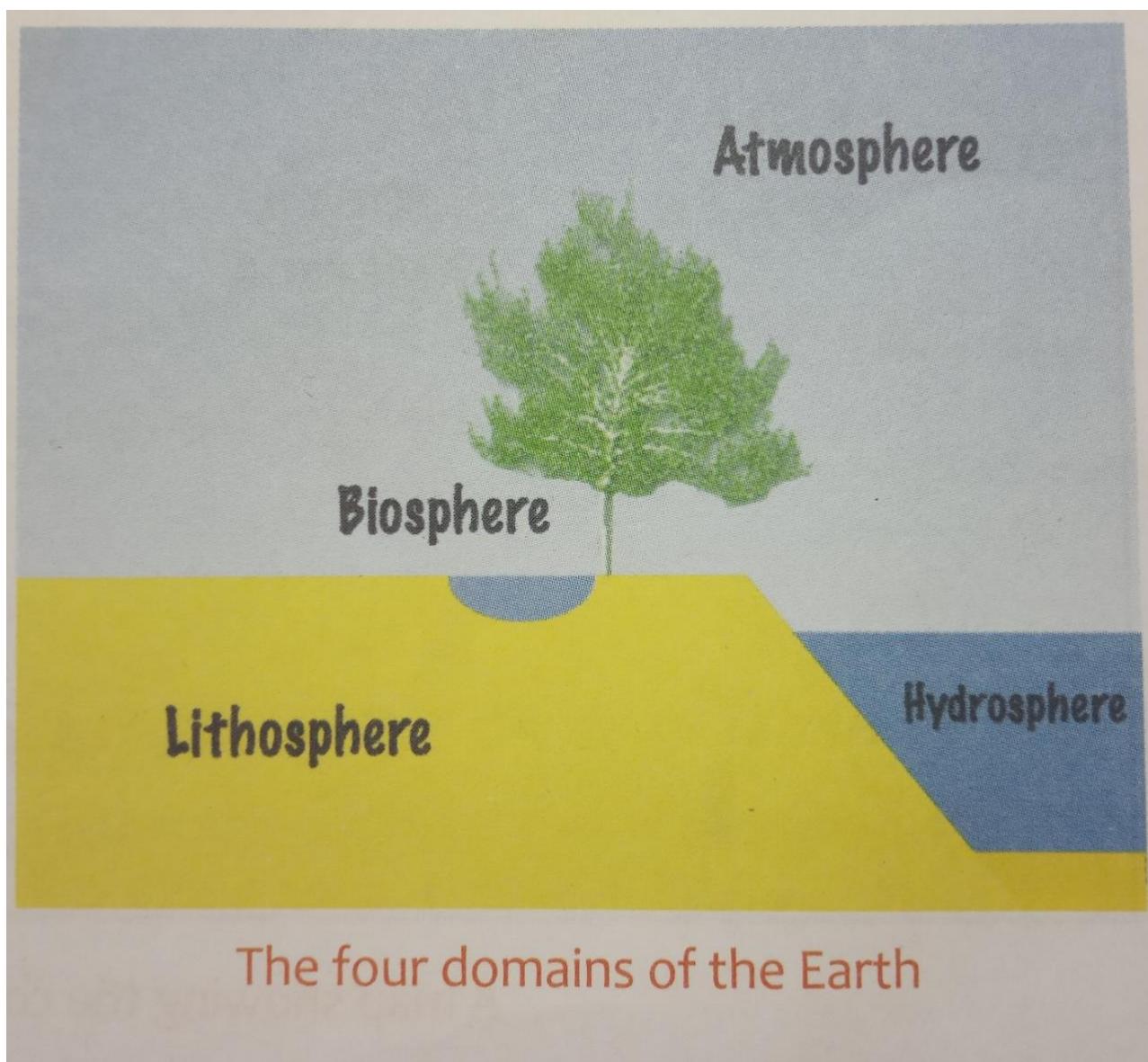
The Earth, as you know, consists of land, water, air and a variety of life forms. Each of them forms a separate **domain** or sphere. They are called the **lithosphere** (land), the **hydrosphere** (water), the **atmosphere** (air) and the **biosphere** (where life forms exist). These four domains are interdependent, and always interacting with each other. To understand life on Earth better, we need to understand more about these four major domains of the Earth, and their interactions with each other.

The Earth consists of three layers--- the crust, the mantle and the core. The lithosphere consists of the crust and the upper part of the mantle.

THE LITHOSPHERE

The solid outer layer of the Earth is called the lithosphere. It is made up of rocks and soil. The lithosphere plays an important role in our lives. We live on the lithosphere. We also get **minerals** and **fuel** from the lithosphere. It plays an important role in the growth of plants as the soil needed for plants to grow is found here.

The lithosphere consists of **continents** and **ocean basins**. Continents are large, distinct landmasses separated by vast oceans and seas. The surface of the continents is irregular, with a variety of landforms like mountains, valleys, plateaus and plains. There are seven continents in the world--- **Asia, Africa, North America, South African, Antarctica, Europe and Australia.**



Asia

Asia is the largest continent in the world. The tallest mountain in the world (Mount Everest at 8,850 m) and the lowest point on land (the Dead Sea at 430 m below sea level) are both in Asia. Many large rivers like the Chang Jiang and the Ganga flow through Asia, making the land very fertile. Asia is therefore the most densely populated continent.

Africa

Africa is the second largest continent. The Equator cuts through the middle of Africa. The largest hot desert in the world, the Sahara, stretches across North Africa. Mount(Mt) Kilimanjaro (5,895m) is the tallest mountain in Africa. The world's longest river, the Nile, is also found here.

North America

North America is the third largest continent. It is connected to South America by the narrow Isthmus of Panama. The continent lies entirely in the Northern Hemisphere. The highest point on this continent is Denali (6,194 m) in Alaska.

South America

South America is the fourth largest continent. Most of this continent lies in the Southern Hemisphere. The world's largest river, the Amazon, flows through South America. Mt Aconcagua (6,959 m) is its highest point.

Antarctica

Antarctica is the fifth largest continent. It spreads around the South Pole. This continent is covered by layers of permanent ice. There are no permanent settlements here.

Europe

Europe is the second smallest continent. Europe and Asia are part of the same landmass and together they are known as Eurasia. Mt Elbrus (5,633 m) is the highest point of Europe.

Australia

Australia is the smallest continent. It is surrounded by the sea on all sides; thus, it is also known as island continent. The Tropic of Capricorn runs through the middle of the continent.

ASSIGNMENT

Name the following:

1. The solid surface layer of the Earth.
2. A substance such as iron or copper that is formed naturally in rocks.
3. A substance such as coal, gas or petrol that is burned to provide heat or power.
4. A narrow strip of land connecting two larger land areas.
5. The largest continent.
6. The world's longest river.
7. The world's largest river.
8. The smallest continent.

Fill in the blanks:

- 1.The domain that includes all the water bodies of the Earth is the -----.
- 2.----- is the most densely populated continent.
- 3.The largest hot desert in the world, the -----, lies in -----.
- 4.North America is connected to South America by the narrow -----.
- 5.----- is the highest point of Europe.

Answer the following:

- 1.Name and define the four domains of the Earth. Draw the diagram of "The four domains of the Earth "and label it.
- 2.Why is Australia called the "Island Continent "?

PROJECT WORK

On an outline map of the world, mark, label and colour the seven continents and five oceans.