

Name : \_\_\_\_\_ Std. : \_\_\_\_\_ Roll No. : \_\_\_\_\_ Date : \_\_\_\_\_



PARISAR ASHA

**ROCKS AND ROCK TYPES****Learning Focus : - Types of Rocks; Uses of Rocks****Rock Distribution(in Maharashtra)**

This worksheet is related to Lesson 7 of your textbook.

**I. – Fill in the blanks with the correct words.**

1. Molten material is known as \_\_\_\_\_ within the crust and \_\_\_\_\_ on the surface.
2. Most of the hill forts of Maharashtra are old \_\_\_\_\_ sites.
3. The Taj Mahal is made of \_\_\_\_\_.
4. Weathering causes rocks to get \_\_\_\_\_ or \_\_\_\_\_.
5. The study of \_\_\_\_\_ provides information about life in that period.
6. Due to tremendous \_\_\_\_\_ and \_\_\_\_\_, crystals in original rocks get re-crystallized.

**II.- Read the description of each type of rock and write the letters of its name in the spaces provided.**

I'm \_\_\_\_\_. I am made when hot magma cools quickly, like from a volcano.

I'm \_\_\_\_\_. I am formed by layers of sediments squashed together (like under the ocean).



I'm \_\_\_\_\_. I have been changed by pressure and heat from my original form..

**III.- Read the following statements and then write 'T' for TRUE or 'F' for FALSE, next to each one.**

1. The earth's crust is made up of rocks and soil. \_\_\_\_\_
2. Primary rocks have fossils. \_\_\_\_\_
3. Marble is found in Makrana, Rajasthan. \_\_\_\_\_
4. The Taj Mahal is at Agra. \_\_\_\_\_
5. Bhedaghat gorge is on the River Ganga in Madhya Pradesh. \_\_\_\_\_

**IV.- In the 'box' below, colour the names of the Igneous rocks YELLOW, the Sedimentary rocks BROWN, and the Metamorphic rocks ORANGE. Match the metamorphosed rocks with their original rocks and write the name pairs below, on the given lines.**

Granite \* Marble \* Quartzite \* Coal \* Basalt \* Slate \* Amphibolite \*

Sandstone \* Diamond \* Gneiss \* Shale \* Limestone

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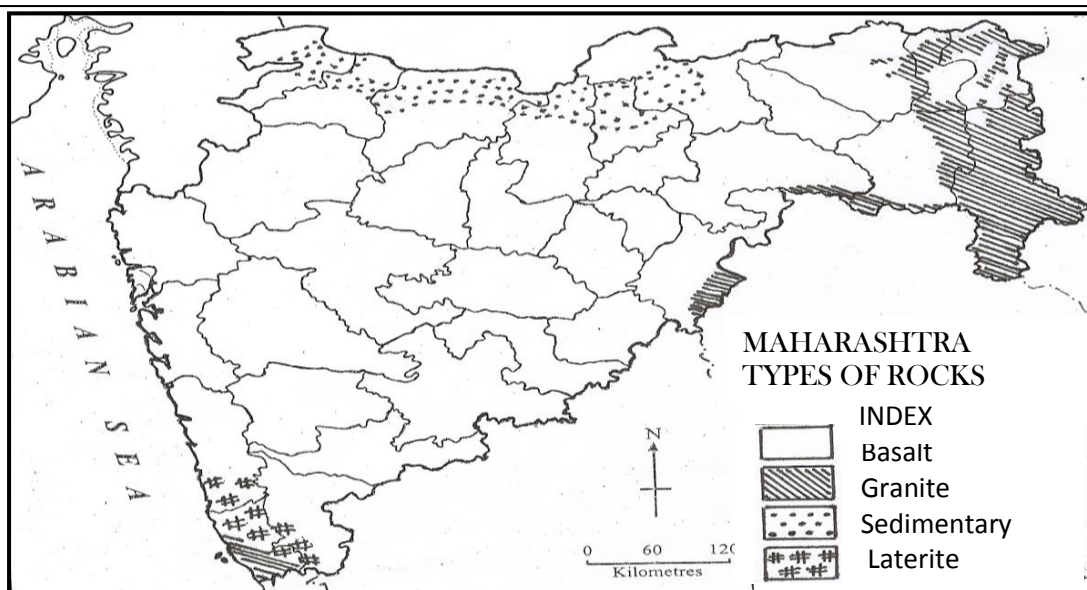


*Do You Know? Rocks are said to be the oldest part of our planet, dating back 3.8 billion years. In ancient times, rocks were used for hunting, shelter and defence. Later, two special kinds of rocks were rubbed together for fire. Now, they provide us with minerals, too. Latest scientific research has revealed the fact that rocks and mountains keep the earth's balance and help it to remain in its orbit. Rocks have been a big source of information about the history and evolution of our planet earth, but they can be destructive, too, as seen during a volcanic eruption.*

V.- Give reasons for the following.

1. The material in the earth's interior is in a molten state because \_\_\_\_\_
2. Igneous rocks are called primary rocks because \_\_\_\_\_
3. Pumice floats on water because \_\_\_\_\_
4. Maharashtra's hill forts have lakes because \_\_\_\_\_
5. Maharashtra does not have large reserves of mineral wealth because \_\_\_\_\_
6. Basalt is found in Maharashtra because \_\_\_\_\_

VI. Look at the map given below. Colour the areas and Index of different types of rocks as follows: Basalt - GREY, Granite - BROWN, Laterite - RED and Sedimentary rocks –YELLOW. Prepare the KEY, too. Then, tick (✓) the correct option in the brackets, to complete the statements



1. Most of Maharashtra is covered by ..... rock.(basalt/ granite)
2. In South Konkan and eastern parts, ..... rock is found.( granite / laterite)
3. .... are found only in South Konkan. ( Laterites / Sedimentary rocks)
4. Along the northern border of Maharashtra,..... are found.( Sedimentary rocks / Laterites)

VII. - Answer the following questions, in your notebook.

1. Why is diamond more expensive than coal?
2. What is the Red Fort made of? Why?
3. Where is mining done in Maharashtra? Why?
4. How do fossils remain in rocks?
5. Draw diagrams and explain the formation of the 3 types of rocks.

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PARISAR ASHA

**NATURAL RESOURCES-I****Learning Focus : - Air, Soil, Water**

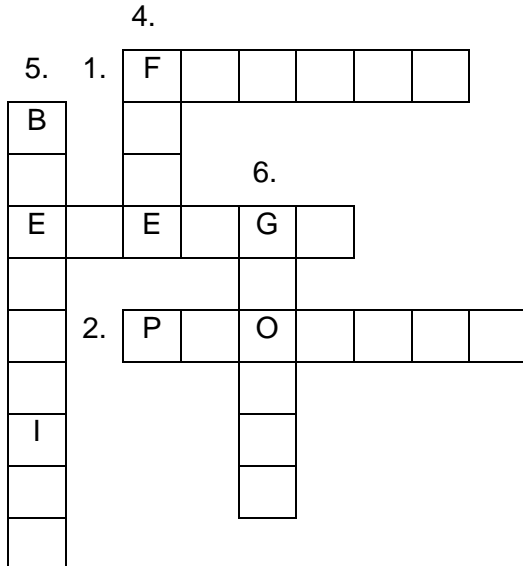
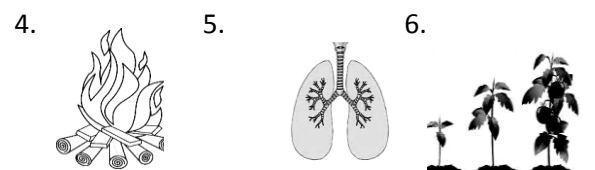
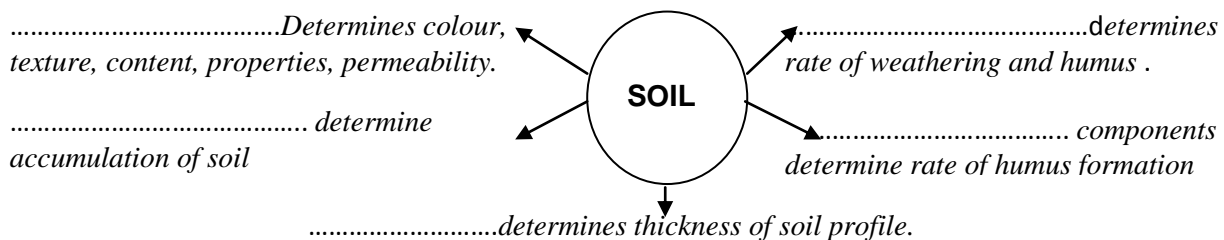
This worksheet is related to Lesson 8 of your textbook.

**I.- WHO AM I? Read the description and write the name of the Natural Resource it represents.**

1. You cannot see, smell or taste me, but you can feel me. I am available in \_\_\_\_\_. I never get \_\_\_\_\_, but my \_\_\_\_\_ can change. I am \_\_\_\_\_.
2. I take a thousand years to develop a layer of 2.5cm. I am \_\_\_\_\_.
3. From the time you get up in the morning till you go to bed at night, you keep on using me. I am \_\_\_\_\_.

**II.- Write 'T' for TRUE or 'F' for FALSE next to each statement.**

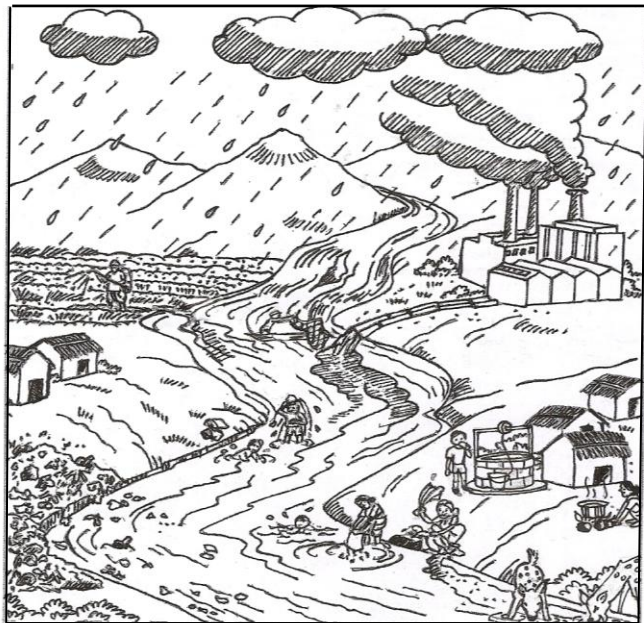
1. Usable water on the earth is 30%.
2. We use all things that we see on the earth.
3. Soil differs according to type of rock and climate, in different regions.
4. Water is available in huge quantities on the earth.
5. Soil formation is a very swift process.
6. Even 0.003% of water availability is sufficient for all of us.

**III.- Look at the picture clues and fill in the uses of AIR on the CROSSWORD.****ACROSS:****DOWN:****IV.- Write the factors that are responsible for soil formation.**

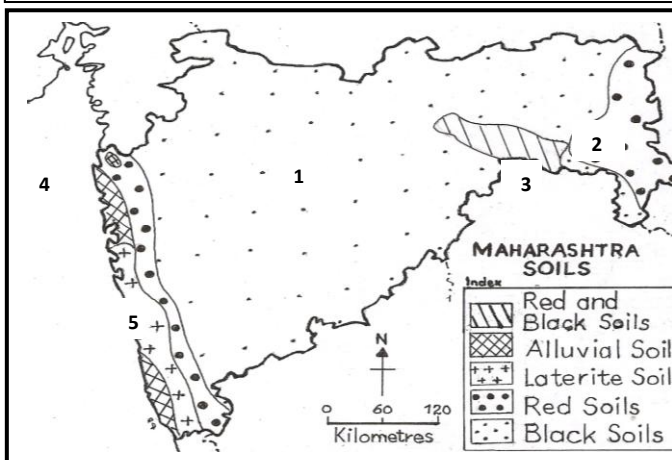
V.- With the help of the picture, fill in each blank with the serial number of the correct answer from the 'word box' to find out the different uses of water. In your notebook, write 5 measures that you would take to conserve and protect our water sources.

- 1....water is needed by humans, plants and animals.
2. Water is needed by farmers for ....
3. Water provides .... of goods and people
4. Water is used for bathing, washing and ....
5. Water is used in factories and in ....
6. Water provides .... for people to eat.
7. Water is used to generate ....

1.transport      2.daily needs  
3.agriculture    4. power      5.fish  
6.drinking      7. industries



VI. – Write the kinds of soils found in Maharashtra next to their serial numbers and state their uses.



NAME OF SOIL	USES
1.	
2.	
3.	
4.	
5.	

VII.- Write a few sentences about how you can use soil, as you are living in a city/town.



*Do You Know? Natural Resources can be Biotic ( when obtained from the Biosphere, e.g. forests, animals, birds, fish, coal, petroleum) or Abiotic( non-living, e.g. land, water air, mineral ores like gold, iron, copper, silver.)*

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**NATURAL RESOURCES-2****Learning Focus : - Natural Vegetation, Animals, Minerals, Land**

This worksheet is related to Lesson 8 of your textbook

I.- Cross out (X) the Odd One in each set.

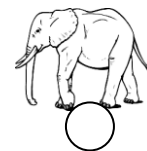
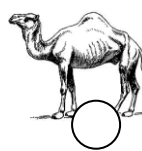
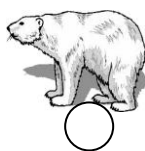
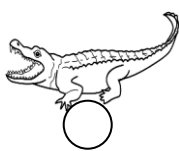
1. Ancient civilizations flourished in the basins of the Huang He, Narmada, Sindhu, Nile and Euphrates.
2. Goats, cows, buffaloes and horses are milk animals.
3. Horses, oxen, camels, goats and asses are used for riding and transporting of goods.
4. Meat, eggs, salt, bone powder and hide are obtained from animals.
5. Gas, wood, rubber, resin and medicinal plants from forests.

II.-Fill in the blanks with appropriate words to complete the statements.

1. Land is an \_\_\_\_\_ resource.
2. Man should use natural resources in a \_\_\_\_\_ manner.
3. \_\_\_\_\_ alone attempts to make changes in the prevailing conditions.
4. Distribution of living organisms is \_\_\_\_\_.
5. The proportions of land on earth is \_\_\_\_\_%.
6. Man has experimented with some grasses to obtain \_\_\_\_\_.
7. This has stopped Man from \_\_\_\_\_ in search of \_\_\_\_\_.
8. \_\_\_\_\_ are broadly classified as grass, herbs, shrubs and trees.

III. – Read the latitudinal extent in Column A. Write the type of Natural Vegetation found in each Region, in Column B and match it with its animal, given in Column C, using lines. Write the serial number of each animal in the 'circle' below its picture.

Latitudinal Extent	Natural Vegetation	Animal
0-15 °	A.....	1.camel
15-30 °	B. ....	2.polar bear
30-45 °	C. ....	3. tiger
45-60 °	D. ....	4.reindeer
60-75 °	E. ....	5.crocodile
75-90 °	F. ....	6. elephant



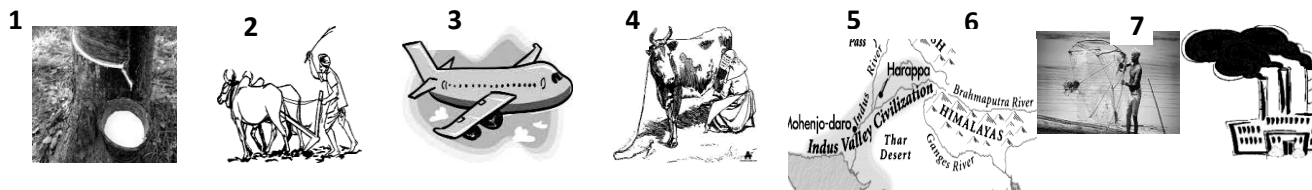
IV.- Read the minerals and write them in the correct 'box'.

rock salt \* calcite \* iron \* gypsum \* bauxite \* copper

## METALLIC MINERALS


## NON-METALLIC MINERALS


V. – Say what activity each of the following depicts and what Natural Resource is being used.



- |          |          |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |
| 5. _____ | 6. _____ |

VI.- Answer the questions, briefly.

- Why is land an invaluable resource? \_\_\_\_\_
- What are minerals? \_\_\_\_\_
- How many types of minerals are there? What are their uses? \_\_\_\_\_
- Why will we have to depend on aquatic plants in future? \_\_\_\_\_
- What do man's changes lead to? \_\_\_\_\_

VII.- Unscramble the words given below to get some sources of freshwater. Write the missing letters in the spaces provided.

- |                          |                       |
|--------------------------|-----------------------|
| 1. ARNI _ _ _ _ _        | 2. PSIRGN _ _ _ _ _   |
| 2. IRERV _ _ _ _ _       | 3. LECGIARS _ _ _ _ _ |
| 3. RETONWUGARD _ _ _ _ _ | 4. ALEK _ _ _ _ _     |



*Do You Know? On the first Earth Day, in 1970, the population was 3.7 billion, but today it is 7 billion, exerting pressure on our natural resources. No Water! No Food! No Peace! We need to curb population growth.*