

# Resource



This is an intermediate level worksheet and is suitable for children from class 5 upwards

## Understanding resources

### Activity 1:

#### a. What do you understand by the term 'Resource?' Tick the right option.

- i) Anything that can be used by living things
- ii) Anything with or without use
- iii) Anything that man uses
- iv) Anything that is used by man to meet her/his needs.

#### b. What do you think were the resources to human beings during the Stone Age? Tick the right option.

- a) Bricks, b) Rivers, c) Manual power, d) Caves in the mountains, e) Wells as sources for water, f) Forests.
- 1. a, b, d
  - 2. e, f, d
  - 3. b, f, d
  - 4. c, d, b

#### c. Put the following items in the right box:

River, electricity, air, forests, plastic, wood, coal, petroleum, land, mountain, paper, iron ore, sea, soil, glass, animals, wild animals, dead body of animals, human beings, internet, sand, friends, wool, crops, money, sun.

Natural & renewable	Natural & non-renewable	Man-made & non-renewable	Man-made & re-cyclable	Not a resource

#### d. Fill in the blanks with the words given below:

food, underground water, recycle, weapon, shelter, reuse, cave, house, experiences, imaginative, innovations, land, metals and minerals, curious, science and technology, experiments, coal, River Ganga, forests, use, environment, clothes, observation of nature,

- A. The basic needs of \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ to survive in a hostile environment, turned early man to look at nature. He found pieces of rocks and stones and turned it into a \_\_\_\_\_ for protection and food. Similarly a \_\_\_\_\_ became the first \_\_\_\_\_ of man.
- B. \_\_\_\_\_ and \_\_\_\_\_ led men to retire from their nomadic life and settle down. His needs became more with time and he being naturally \_\_\_\_\_ and \_\_\_\_\_, made \_\_\_\_\_ and \_\_\_\_\_ that helped in creation of more knowledge. His needs turned into wants, and exploitation of natural resources like \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and various \_\_\_\_\_ started.



C. Through development in \_\_\_\_\_ man forgot all about the ill-effects over exploitation. As a result many resources became almost exhausted like \_\_\_\_\_ or became contaminated like the \_\_\_\_\_.

Now it's extremely necessary to take a re-look at our wants and needs and reduce

\_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ all kinds of resources, so that these last longer and keep our \_\_\_\_\_ clean.

## What the family uses

### Activity 2:

- a. Make a list of "resources" that your family uses every day. Give a weightage for each one between 1 and 5, in ascending order of importance as decided by you. Put your findings, in a table along with the weightage. Make a bar/line graph on the basis of your weightage. e.g.

Serial No.	Resources used in my family	Weightage (1 to 5)
1.	Potable water from the water purifier at home	5

- b. Make a comparative study of the resources with the help of the graph. Use the points given below for your study:

- Which are the most important ones?
- Which are costly and which are the cheap ones?
- Which are for your basic needs and which ones are your wants?

BAR / LINE GRAPH

## Knowing the resources of India

### Activity 3:

#### a. Match column A with Column B

1. The Airport Authority of India	a. Geo scientists from Geological Survey of India
2. Ganga, Gandak and Kosi	b. Made by the great rivers like the Yamuna, Ganga, Brahmaputra, and Indus
3. The beautiful scenic beauty and trekking to snow clad peaks attract the tourists	c. Generates 3% of the country's total electricity.
4. Coal	d. One of the Asia's largest aerospace companies in India.
5. The Great North Indian Plain	e. The very high mountains are the source of water in many of the perennial rivers of India.
6. Nuclear Power Corporation of India Limited	f. The great Himalayan ranges
7. Oil and Natural Gas reserves are found by	g. Deposits of fossil fuels in the Damodar-Godavari basin

#### b. Use the production data of top ten rice producing states of India and make a pie diagram.

Serial No.	States of India	Production of Rice in percentage
1.	West Bengal	17.80
2.	Andhra Pradesh	14.71
3.	Uttar Pradesh	13.91
4.	Punjab	10.86
5.	Orissa	8.67
6.	Tamil Nadu	8.00
7.	Chhattisgarh	7.40
8.	Bihar	7.34
9.	Karnataka	5.70
10.	Haryana	5.61
	Total	100

Pie chart showing the production of important rice producing states of India

## The best resource



### Activity 4:

- a. To understand how human resource is the best resource, survey your locality to list at least five services you get and prepare a table, under the given heads; two examples are given below.

	People with various occupations in the neighbourhood	Work of these people	Kind of work/ occupation (primary, secondary and tertiary)	Find out the resource used in each case	Mention whether the resource is natural or manmade or a combination of both	Role of the human
1.	Beautician	Grooming people	Service/Tertiary	Various cosmetic products	Cosmetics can be manufactured from both natural and man-made resources.	Knowledge and expertise of the beautician.
2.	Vegetable Vendor	Sells vegetables	Service/Tertiary	Vegetables	Natural resource	Unskilled worker, having informal knowledge
3.						
4.						
5.						
6.						
7.						



## Conservation of resources

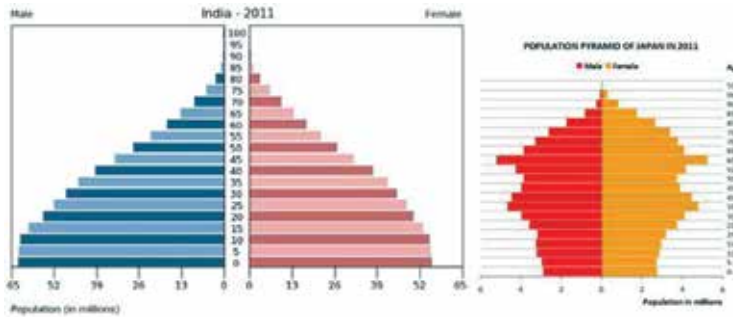


### Activity 6:

a. We all know that a number of things that we use everyday are becoming scarce. In future many of these will be lost. While reduced use of resources is the first step towards resource conservation, reuse and recycle are also effective ways to conserve resources. Tick mark on the best way to conserve resources given below and give a reason for your answer:

Items	Steps to save	Reason
Used paper	reuse / recycle / both	
Used water	reuse / recycle / both	
Used clothes	reuse / recycle / both	
Used steel utensils	reuse / recycle / both	
The slag after the ore has been smelted	reuse / recycle / both	
Used plastic bottles, plastic bags	reuse / recycle / both	
Used CDs, mobile phones	reuse / recycle / both	
Old wooden furniture	reuse / recycle / both	
Broken glass bottles	reuse / recycle / both	
Waste food	reuse / recycle / both	
Used Glass bottles	reuse / recycle / both	

Activity 7: Study the two population pyramids and answer the following questions:



- Which country has maintained a balanced male-female ratio?  
\_\_\_\_\_
- Which country has a higher life expectancy? Why do you think so?  
\_\_\_\_\_
- “From birth to 100 yrs, the number of males remained more than females”. Which country does this statement apply to? What does this statement express about the society of that country?  
\_\_\_\_\_
- What is the significance of the two different shapes of the Age-Sex pyramid in these two different countries?  
\_\_\_\_\_

Activity 5 b. Criteria for creating rich Human Resource  
 1) Low infant mortality 2) longevity 3) vigor 4) education 5) knowledge 6) skill 7) Technology 8) Literacy 9) Healthy food 10) Medicine 11) Low sex ratio

Activity 3a. 1-d; 2-e; 3-f; 4-g; 5-b; 6-c; 7-a

A. The basic needs of food, cloth and shelter to survive in a hostile environment, turned early man to look at nature. He found pieces of rocks and stones and turned it into a weapon for protection and food. Similarly a cave became the first house of man.  
 B. Observation of nature and experiences led men to retire from their nomadic life and settle down. His needs became more with time and he being naturally curious and imaginative, made experiments and innovations that helped in creation of more knowledge. His needs turned into wants, and exploitation of natural resources like forests, underground water, land, and various metals and minerals started.  
 C. Through development in science and technology man forgot all about the ill-effects of over exploitation. As a result many resources became almost exhausted like coal or became contaminated like the River Ganga. Now it's extremely necessary to take a re-look at our wants and needs and reduce use, reuse, and recycle all kinds of resources, so that these last longer and keep our environment clean.

Activity 1d. Fill in the blanks.

Natural & renewable	River, air, wood, coal, petroleum, land, mountain, iron ore, soil, wild animals, dead body of animals human beings.	Man-made & nonrenewable	Electricity, crops, money, friends, internet, glass, paper, plastic, wool.	Not a resource	_____
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Answers