

Teacher Manual

Amazing Science-2

1. Plants Around Us

2. Useful Plants

EXERCISES

A. Tick (✓) the correct answer:

1. (c) Climbers 2. (c) Leaf
3. (b) trunks

B. Write two examples of each of the following:

1. Creepers:
 - (i) Pumpkin Plant
 - (ii) Bottle Gourd Plant
2. Water plants:
 - (i) Money Plant
 - (ii) Grapevine Plant
3. Trees:
 - (i) Banyan
 - (ii) Mango tree
4. Shrubs:
 - (i) Rose,
 - (ii) Marigold
5. Herbs:
 - (i) Mint
 - (ii) Coriander

C. Choose the correct words given in the brackets:

1. Climbers and creepers are weak plants.
2. Aquatic plants grow in water.
3. Most plants are green in colour.
4. Trees live for many years.
5. Most of our food comes from herbs.

D. Fill in the blanks with the words given in the box:

1. Roots fix the plants in the soil.
2. Flowers grow into fruits.
3. Creepers grow along the ground.
4. Herbs have soft stems.
5. Trees have hard and strong stems.

HOTS Questions

1. A cactus has no leaves because the leaves are in the form of spines to reduce loss of water. A cactus is found in the very hot, dry region mostly in deserts.
2. We should not cut down plants to save our environment. Plants give us oxygen and take carbon dioxide. They give us shade and greenery.

Activity Time

1. Do it yourself.
2. Do it yourself.
3. Do it yourself.
4. Colour yourself.

EXERCISES

A. Tick (✓) the correct answer:

1. (b) Rose 2. (c) bamboo
3. (c) cotton

B. Tick (✓) the things that come from plants:

1. Cotton (✓) 2. Coffee (✓)
3. Rubber (✓) 4. Salt
5. Plastic 6. Steel
7. Tin 8. Glass
9. Jute (✓) 10. Milk
11. Gum (✓) 12. Honey
13. Paper (✓) 14. Egg
15. Shampoo

C. Write two examples of each of the following:

1. Roots as vegetables :
 - (i) Radish
 - (ii) Turnip
2. Stems as vegetables :
 - (i) Ginger
 - (ii) Potato
3. Leaves as vegetables :
 - (i) Spinach
 - (ii) Cabbage
4. Fruits as vegetables :
 - (i) Tomato
 - (ii) Lady's finger

D. Say 'Yes' or 'No':

1. [Yes] 2. [Yes]
3. [Yes] 4. [Yes]
5. [No]

HOTS Questions

1. Manure is prepared in compost pits in villages. A pit is dug and household wastes are dumped in the pit. With passage of time, these wastes turn into manure. Farmers use manure into fields.
2. Perfumes smell by evaporating near our nose.

Activity Time

1. Find the names of ten things we get from plants in the word-search. One is done for you.

1. PINEAPPLE 2. WHEAT
3. APPLE 4. CAULIFLOWER
5. WALNUT 6. CASHEWNUT

7. CORN
 8. BEAN
 9. COCONUT
 10. RICE
2. **Everyday, from the moment you get up and brush your teeth till you to sleep at night, you use many things made from plants. Can you list ten such things?**
1. Cauliflower
 2. Bag
 3. Pencil
 4. Rubber
 5. Chair
 6. Table
 7. Mango
 8. Wheat
 9. Rice
 10. Furniture
3. Do it yourself.

3. Wild Animals

EXERCISES

- A. **Tick (✓) the correct answer:**
1. (a) Spider
 2. (a) Monkey
 3. (c) Mongoose
- B. **Write 'H' for Herbivores and 'C' for Carnivores:**
1. Cow [H]
 2. Sheep [H]
 3. Tiger [C]
 4. Duck [H]
 5. Goat [H]
 6. Lion [C]
 7. Panther [C]
 8. Snake [C]
 9. Crocodile [C]
- C. Do it yourself.
- D. **Answer the following questions:**
1. Scavengers help us by keeping the jungle clean. They eat the flesh of dead animals.
 2. Wild animals live in jungle because they are ferocious and dangerous.
 3. Carnivores eat flesh of other animals.

HOTS Questions

1. The biggest wild animal on the land is elephant.
2. Wild animal that can eat 40 tonnes of food every day is elephant.

Activity Time

- A. **Which wild animal on the land has the biggest mouth? To get the answer, cross (X) all the X, Y and Z:**

HIPPOPOTAMUS

- B. Do it yourself. C. Do it yourself.

4. Useful Animals

EXERCISES

- A. **Tick (✓) the correct answer:**
1. (c) cow dung
 2. (b) Horse
 3. (b) wasps

- B. **Write two examples of each of the following:**

1. Pets :
 - (i) Dog
 - (ii) Cat
2. Milch animals :
 - (i) Cow
 - (ii) Buffalo
3. Beasts of burden :
 - (i) Donkey
 - (ii) Bull

- C. **Match the following:**

- | Column A | Column B |
|----------|----------|
| 1. Meat | Goat |
| 2. Milk | Cow |
| 3. Wool | Sheep |
| 4. Honey | Bee |
| 5. Eggs | Hen |

- E. **Answer the following questions:**

1. We keep pets to help us as follows:
 1. Dog - Dog helps to guard our hour and the neighbouring area.
 2. Cat - Cat helps us to catch the mice in our house.
2. Milch animals are those that give us milk. A few milk animals are:
 1. Cow
 2. Buffalo
 3. Goat
 4. Camel
3. Following things are made from leather:
 1. Bags
 2. Shoes
 3. Belts
 4. Purses

HOTS Questions

1. A Veterinary Doctor cures and treats the sick animals.
2. No, we should not tease the animals at all. Instead, we should show love and affection towards them.

Activity Time

- A. Do it yourself.
- B. **Form groups, discuss and fill in the blanks:**
- If you have a parrot, you will feed it nuts and fruits.
- If you have a cat, you will feed it milk.
- If you have a dog, you will feed it chapatti, rice and meat.
- C. Know it yourself.

5. Bones and Muscles

EXERCISES

- A. **Tick (✓) the correct answer:**
1. (c) Player
 2. (c) Heart muscle
 3. (a) joint
- B. **Write 'True' or 'False':**
1. [True]
 2. [True]
 3. [True]
 4. [False]
 5. [True]

C. Do it yourself.

D. Answer the following questions:

1. A good posture is important because it gives proper shape to our body. It helps all the parts of our body to work properly. It makes us look smart. We must sit straight when we work on a computer.
2. Our bones and muscles are useful as follows:
Bones : Bones are hard and strong. They give shape and support to our body. We can move our body parts with the help of bone joints.
Muscles : Muscles are soft. They lie under the skin. Muscles help the bones to move.
Bones and muscles work together. They help us to walk, run, cycle, swim and do many other things.
3. We can make our muscles strong by exercising regularly. Walking, jogging, playing games are important for good health. Eating healthy food also helps to make our muscles strong.

HOTS Questions

1. Children join gyms for walking and jogging and doing various exercises. These exercises help to make our muscles strong and maintain a good health.
2. If we bend forward while reading, our backbone will get strained and it will ache after some time. Moreover, by bending forward too much and for a long time will have effect on other parts of body. So, we should not bend forward while reading.

Activity Time

- A. HEART
- B. It is hard because it is a bone.
- C. It is soft because the pressed parts are muscles.
- D. Do it yourself.
- E. Do it yourself.

6. Our Sense Organs

EXERCISES

A. Tick (✓) the correct answer:

1. (a) Vitamin A 2. (b) smell
3. (b) ear-bud

B. Fill in the blanks with correct words:

1. Our eyes help us to see.
2. Our eyes need Vitamin A to be healthy.
3. Our ears help us to hear.

C. Match the following:

Column A

1. Eyes
2. Ears
3. Nose

Column B

- (c) See
- (b) Hear
- (a) Smell

D. Answer the following questions:

1. Five sense organs are as follows:
 1. Eyes
 2. Ears
 3. Nose
 4. Tongue
 5. Skin
2. Our nose helps us to identify different smells. We can identify a rose without seeing it with the help of its smell.
3. One use of the tongue is that it helps us to know about the taste. Some fruits and foods are sweet; some are sour and some bitter. We can know the taste with the help of taste buds on our tongue. When we smell some tasty food, our taste-buds become active.
4. We have five sense organs as follows:
 1. Eyes: We have two eyes to see. They help us to see things far and near. We can differentiate between colours with our eyes. The eyelids protect our eyes and keep dust out of our eyes.
 2. Ears : We hear with our ears. They help us to differentiate between different types of sounds like loud, soft, pleasant or noisy.
 3. Nose: Noise helps us to smell aromas and foul smells. We breathe with our nose.
 4. Skin : Skin is largest sense organ in our body. It helps us to feel. It tells us whether a thing is hot or cold, smooth or rough, wet or dry. Skin covers our entire body.
 5. Tongue :We taste with our tongue. The taste buds on the tongue help to identify sweet, sour, bitter, salty tastes. It also helps us to speak.
5. We can keep our eyes healthy by taking Vitamin A from milk, carrots, eggs, etc. We should wash our eyes after coming back home from outside. Washing eyes with old water relaxes them. We should go to an Eye Specialist if we are not able to read.

HOTS Questions

1. We get prickly heat in summer because sunrays that fall on our body are quite hot. Our skin cannot tolerate very hot sunrays. That is why we get prickly heat in summer.

Activity Time

- A. Draw yourself. B. Do it yourself.
C. Do it yourself.

7. Healthy Habits

EXERCISES

A. Tick (✓) the correct answer:

1. (a) Milk 2. (c) both (a) and (b)
3. (c) germs

B. Fill in the blanks using correct words:

1. Good health is must for a good life.
2. We should eat food at fixed intervals.
3. We should wash the hands before eating.
4. We should brush our teeth twice daily.

C. Match the following:

Column A	Column B
1. Breakfast	(c) 7 a.m.
2. Lunch	(d) 1 p.m.
3. Dinner	(a) 8 p.m.
4. Milk	(b) Complete food

D. Answer the following questions:

1. Cavity is a hole that can grow bigger and deeper over time. A sticky, slimy substance made up of germs cause tooth decay.
2. Two body-building foods are:
1. Meat, Eggs
2. Milk, Vegetables
3. A nutrient is a substance that gives nourishment for growth of body. Nutrients are necessary for the body to function property.
4. We fall sick by not taking right amount of healthy food. We may also fall sick by not over-eating. We should always take a balanced and healthy diet. Milk, green vegetables and plenty of water is a must for a healthy life. We should also exercise regularly.
5. We can avoid skin infection by bathing regularly with good quality soap. We should always use neat and clean clothes.

HOTS Questions

1. Food items like pizza, noodle, burger, chips, cold drinks, ice-cream are known as junk food. We should avoid junk food because it unhealthy and can make us obese and lazy.

Activity Time

- A. Do it yourself.

8. Food for Health

EXERCISES

A. Tick (✓) the correct answer:

1. (c) fruit 2. (b) bread (chapatti)
3. (a) chicken 4. (b) Milk
5. (b) clean plate

B. Fill in the blanks with the correct words:

1. Uncovered food items contain dust and germs.
2. We should eat healthy food.
3. Always wash fruits before eating.
4. Ghee gives us energy.

C. Give one word for the following:

1. Body-building food
2. Dinner
3. Junk Food

D. Give two examples for each of the following:

1. Breakfast : Bread, Milk, vegetables.
2. Energy-giving food. : Potato, Bread
3. Body-building food : Meat, Eggs

HOTS Questions

Komal's mother will give her food that includes potato, bread, rice, ghee and butter.

Activity Time

- A. Do it yourself.

9. Safety First

EXERCISES

A. Tick (✓) the correct answer:

1. (b) park 2. (a) stop
3. (c) knives

B. Complete the following sentences with the help of pictures.

1. We should not play with a sharp object like knife.
2. We should not play with a sharp object like scissors.
3. We should cross the road at zebra crossing.
4. We should obey traffic lights.

C. Answer the following questions:

1. We should walk on the road on the footpath.
2. We should cross the road at the zebra crossing.
3. The First Aid is the instant medical help provided to an injured person. A good First Aid in time can save a life.

D. Say 'Yes' or 'No':

1. [No] 2. [No]

3. [Yes] 4. [No]
5. [No]

HOTS Questions

1. Zebra animal's markings are used on the road.
2. A Subway is an underpass to cross the road.

Activity Time

- A. Do it yourself. B. Do it yourself.

10. Water

EXERCISES

A. Tick (✓) the correct answer:

1. (b) germs 2. (c) salty
3. (c) rain

B. Write any six sources of water:

Six sources of water are as follows:

1. Rain 2. Well 3. Sea
4. River 5. Pond 6. Lake

C. Write how water is being used in each of the following pictures:

1. Drinking 2. Washing
3. Mopping 4. Watering plants
5. Washing utensils 6. Washing a car

D. Answer the following questions:

1. We can't use sea water because it is salty and unclean. It is not fit for drinking.
2. We can make water clean in the following ways:
 1. By boiling water for 20 minutes.
 2. By using a water filter.
 3. By using Chlorine in water.
3. We can get underground water by digging wells and pumping out the water.
4. The various sources of water are as follows:
 1. Rain 2. Well
 3. Streams 4. River
 5. Pond 6. Lake

E. Say 'Yes' or 'No':

1. [Yes] 2. [No] 3. [Yes]
4. [Yes] 5. [Yes]

HOTS Questions

1. The farmers welcome rain because they get water for the crops they have sown in their fields. They need rain to have a very healthy crop.
2. Mineral Water is water from a mineral spring that contains various minerals such as salts and sulfur. Drinking mineral water is safe and good for our health.

Activity Time

- A. Do it yourself. B. Do it yourself.

11. Forms of Water

EXERCISES

A. Tick (✓) the correct answer:

1. (b) water 2. (b) Three
3. (a) Ice

B. Write the word HEATING or COOLING in the boxes:

1. [HEATING] 2. [COOLING]
3. [HEATING] 4. [COOLING]

C. Complete the words:

1. Water vapour rises up in the air.
2. Water drops join together to form clouds.
3. The water-cycle is a never-ending process.
4. Ice has a definite shape.
5. The water that we drink is the liquid form of water.

D. Answer the following questions:

1. The three forms of water are as follows:
 1. Liquid - Water
 2. Solid - Ice
 3. Gas - Water vapour
2. We can change the form of water as follows:
 1. Freezing : Freezing is a process by which liquids change into solids on cooling. Example: Water when put in freezer turns into ice after sometime.
 2. Melting : Melting is a process by which solid changes into liquid on heating. When ice (solid) is kept out of refrigerator, it melts into water (liquid).
 3. Evaporation : Evaporation is a process by which liquid changes into gas on heating. When water (liquid) is heated, it changes into water vapour (gas).
3. Clouds are formed when water from oceans, seas, rivers, ponds and lakes changes into water vapour due to sun's heat. The water vapour rises up in the air. Higher up in sky, it cools down and changes into small droplets of water. These droplets of water form clouds.

E. Choose the correct words given in the brackets:

1. Water exists in three forms.
2. Ice has a definite shape.
3. Water in liquid state can flow.
4. The water cycle is a never-ending process.

HOTS Questions

1. Ice floats on water because the water which is less

dense than ice. Ice floats because it is less dense than liquid water.

2. Water vapour or steam rise up because particles of water vapour is far and wide than and becomes less dense than water. Water vapour is lighter than water and that is why water vapour rises up in the air.

Activity Time

- A. Write your answer here: ANTARCTICA
B. Do it yourself.
C. Do it yourself.

12. Air

EXERCISES

A. Tick (✓) the correct answer:

1. (c) germs 2. (b) storm
3. (b) direction

B. Tick (✓) the correct words given in the brackets:

1. We cannot see air.
2. Dust makes the air dirty .
3. Dirty air can make us sick .
4. The Sun's heat changes water into water vapour .
5. Wind is useful for us.

C. Do it yourself.

D. Do it yourself.

E. Answer the following questions:

1. When people sweep roads and other places, dust particles mix with the air. Dust particles also mix with the air when strong winds blow. Factories and vehicles release a huge amount of smoke every day. This smoke rises up and mixes with the air. People who smoke cigarettes and bidis also give out a lot of smoke. Dust particles and smoke make the air dirty.
2. When sick people cough, sneeze or spit, germs from their bodies go into the air. When a healthy person breathes this air, germs enter his or her body and make him / her sick.
3. Storms are harmful because they cause damage to houses, trees, crops, animals and human beings.
4. Three ways in which the wind helps us are as follows:
1. We live and survive because we breathe the air.
2. Wind helps to dry wet clothes.
3. Wind Energy can be produced by wind.

F. Say 'Yes' or 'No':

1. [Yes] 2. [Yes] 3. [No]
4. [No] 5. [Yes]

HOTS Questions

1. A cactus has no leaves because the leaves are in the form of spines to reduce loss of water. A cactus is found in the very hot, dry region mostly in deserts.
2. We should not cut down plants to save our environment. Plants give us oxygen and take carbon dioxide. They give us shade and greenery.

Activity Time

- A. Do it yourself. B. Do it yourself.
C. Do it yourself.

13. The Weather

EXERCISES

A. Tick (✓) the correct answer:

1. (c) Seven 2. (c) on a rainy day
3. (c) on a rainy day

B. Write 'True' or 'False':

1. [True] 2. [False] 3. [True]
4. [False] 5. [True]

C. Answer the following questions:

1. We see a rainbow on a rainy day.
2. We like to have cold drinks and ice cream on a sunny day.
3. We wear woollen clothes on a cold day.

HOTS Questions

1. We sail paper boats on a rainy day.
2. There are seven colours in a rainbow as follows:
1. Violet 2. Indigo
3. Blue 4. Green
5. Yellow 6. Orange
7. Red

Activity Time

- A. Write your answer here: RAINBOW
B. Do it yourself.

14. Rocks and Minerals

EXERCISES

A. Tick (✓) the correct answer:

1. (b) diamond 2. (b) Sandstone
3. (b) Marble

B. Write 'True' or 'False':

1. [True] 2. [False] 3. [True]
4. [True] 5. [True]

C. Do it yourself.

D. Name the following:

1. Marble Granite

2. Sandstone Marble
3. Gold Diamond
4. Talc Graphite

E. Answer the following questions:

1. Hills and mountains made up of rocks. There are rocks under the soil. Some rocks are hard and some are soft.
2. Rocks made up of stones. Some of the rocks are as follows:

Marble : It is a hard rock. It may be blue, black, white or green. It is used for making buildings, floors and statues. Examples: Taj Mahal, Lotus Temple.

Sandstone: It is a hard rock. It is used for making buildings and statues. Examples: Red Fort

Granite : It is a hard rock. It is used for making floor, buildings and statues. Examples: Red Fort

Slate: It is a grey rock. It is used for making blackboard and roofs of houses.

Chalk : It is a soft rock. It is used for writing on blackboards.

Graphite : It is a soft rock. It is used to make the lead of pencils.

Coal : It is a black soft rock. It is used for cooking, in factories and for running steam engines.

3. Write uses of any three minerals.

The uses of three minerals are as follows:

1. Diamond : It is the hardest mineral. It comes in the form of stone. It is used for making jewellery. It is also used to cut glass.
2. Talc : It is the softest mineral. It is used for making Talcum Powder.
3. Quartz : It is a common mineral. It is used in clocks and watches.

F. Choose the correct words given in the brackets:

1. Mica is a shining mineral.
2. The Taj Mahal is made of white marble.
3. Marble is a hard rock.
4. Coal is mainly used for cooking.

HOTS Questions

1. Do it yourself.
2. Coal is not used in steam engines these days because most of the trains are now run on electricity.

Activity Time

- A. Do it yourself. B. Do it yourself.
C. Do it yourself.

15. The Sun and Shadows

EXERCISES

A. Tick (✓) the correct answer:

1. (b) noon 2. (a) east
3. (c) Sun

B. Complete the words:

1. The shadow changes its length.
2. The shadow becomes shortest at noon.
3. The Sun is a big ball of hot gases.
4. Plants use the sun's light to make food.
5. Light always travels in a straight line.

C. Write 'True' or 'False':

1. [False] 2. [True] 3. [True]
4. [True] 5. [True]

D. Answer the following questions:

1. A shadow is formed when an object blocks the light from passing through it.
2. A shadow is always formed in the opposite direction of light.
3. The Sun gives us heat and light. Plants use sun's light to make their food.
4. A shadow changes its length at different times of day. In the morning, when we go out in sun, shadow is long. In the afternoon, when we go out again, shadow is shorter than it was in morning. When we again observe our shadow in the evening, it is long again. Hence, a shadow changes its length at different times of day.

E. Choose the correct words given in the brackets:

1. We see the Sun during the day.
2. Plants use sun's light to make food.
3. The sunrise brings day for us.
4. Shadows are always formed in light.

HOTS Questions

1. Noon is the hottest time of the day because the sun is straight over our head at this time. The sunrays fall directly upon the Earth.
2. We cannot see things in total darkness because there is no light. We need light to see the things. Light is necessary to see the things.

Activity Time

- A. Do it yourself. B. Do it yourself.
C. Do it yourself.

16. Going to the Moon

EXERCISES

A. Tick (✓) the correct answer:

1. () Rakesh Sharma
2. (b) Earth
3. (b) 1969

B. Write 'True' or 'False':

1. [True] 2. [True] 3. [False]
4. [True] 5. [False]

C. Answer the following questions:

1. Three astronauts who reached the Moon for the first time are:
 1. Neil Armstrong
 2. Edwin Aldrin
 3. Michael Collins
2. The moon shines because of the sun's light that falls on it.
3. The three Indians who went into space are:
 1. Rakesh Sharma
 2. Kalpana Chawla
 3. Sunita Williams
4. To go into space, an astronaut needs the following:
 1. Spacesuit
 2. Rocket or Spacecraft
 3. Oxygen
 4. Food (Dry)
 5. Water
 6. Pressurized bed

HOTS Questions

1. There is no life on the Moon because it has no air and water. It is essential to have air and water for life.
2. Yes, I definitely think that moon actually changes its shape. It changes its shape every night. Sometimes we see a Full Moon, sometimes we see a Half Moon and sometimes we see a Crescent Moon,

Activity Time

1. Do it yourself.
2. Do it yourself.
3. Do it yourself.

MODEL TEST PAPER - 1

A. Tick (✓) the correct answer:

1. (a) Spider 2. (a) Monkey
3. (c) bamboo 4. (c) cotton
5. (b) trunks 6. (b) smell
7. (c) Heart muscle

B. Match the following:

Column A

1. Eyes
2. Ears
3. Nose

Column B

- (c) See
- (b) Hear
- (a) Smell

C. Fill in the blanks:

1. Roots fix the plants in the soil.
2. Flowers grow into fruits.
3. Our eyes need Vitamin A to be healthy.
4. Our ears help us to hear.
5. Uncovered food items contain dust and germs.
6. We should eat healthy food.
7. We should eat food at fixed intervals.
8. We should wash the hands before eating.

D. Answer the following questions:

1. Scavengers help us by keeping the jungle clean. They eat the flesh of dead animals.
2. Wild animals live in jungle because they are ferocious and dangerous.
3. Our nose helps us to identify different smells. We can identify a rose without seeing it with the help of its smell.
4. A good posture is important because it gives proper shape to our body. It helps all the parts of our body to work properly. It makes us look smart. We must sit straight when we work on a computer.
5. Our bones and muscles are useful as follows:
 Bones : Bones are hard and strong. They give shape and support to our body. We can move our body parts with the help of bone joints.
 Muscles : Muscles are soft. They lie under the skin. Muscles help the bones to move.
 Bones and muscles work together. They help us to walk, run, cycle, swim and do many other things.
6. Following things are made from leather:
 1. Bags 2. Shoes
 3. Belts 4. Purses
7. Cavity is a hole that can grow bigger and deeper over time. A sticky, slimy substance made up of germs cause tooth decay.
8. Two body-building foods are:
 1. Meat, Eggs
 2. Milk, Vegetables

E. Write 'H' for Herbivores and 'C' for Carnivores:

1. Cow [H] 2. Sheep [H]
3. Tiger [C] 4. Duck [H]
5. Goat [H] 6. Lion [C]

7. Panther [C] 8. Snake [C]
9. Crocodile [C]

F. Write two examples of each of the following:

1. (i) Radish (ii) Turnip
2. (i) Ginger (ii) Potato
3. (i) Spinach (ii) Cabbage
4. (i) Tomato (ii) Lady's finger
5. (i) Bread, Milk (ii) Vegetables
6. (i) Potato (ii) Bread
7. (i) Meat (ii) Eggs

G. Give one word for the following:

1. Body-building food 2. Dinner
3. Junk Food

MODEL TEST PAPER - 2

A. Tick (✓) the correct answer:

1. (b) germs 2. (c) salty
3. (b) Earth 4. (b) 1969
5. (a) stop 6. (c) knives
7. (c) Seven

B. Choose the correct words given in the brackets:

1. Water exists in three forms.
2. Ice has a definite shape.
3. Water in liquid state can flow.
4. The Taj Mahal is made of white marble.
5. Marble is a hard rock.
6. Coal is mainly used for cooking.
7. Dust makes the air dirty.
8. Dirty air can make us sick

C. Complete the words:

1. The shadow changes its length.
2. The shadow becomes shortest at noon.
3. The Sun is a big ball of hot gases.
4. Plants use the sun's light to make food.

D. Name the following:

1. Marble Granite
2. Sandstone Marble
3. Gold Diamond
4. Talc Graphite

E. Answer the following questions:

1. The three forms of water
 1. Liquid - Water
 2. Solid - Ice
 3. Gas - Water vapour
2. We can change the form of water as follows:
 1. Freezing : Freezing is a process by which liquids change into solids on cooling. Example: Water when put in freezer turns into ice after sometime.
 2. Melting : Melting is a process by which solid changes into liquid on heating. When ice (solid) is kept out of

refrigerator, it melts into water (liquid).

3. Evaporation : Evaporation is a process by which liquid changes into gas on heating. When water (liquid) is heated, it changes into water vapour (gas).

3. We can't use sea water because it is salty and unclean. It is not fit for drinking.
4. We can make water clean in the following ways:

1. By boiling water for 20 minutes.
2. By using a water filter.
3. By using Chlorine in water.

5. We should walk on the road on the footpath.
6. Rocks made up of stones. Some of the rocks are as follows:

Marble : It is a hard rock. It may be blue, black, white or green. It is used for making buildings, floors and statues. Examples: Taj Mahal, Lotus Temple.

Sandstone: It is a hard rock. It is used for making buildings and statues. Examples: Red Fort

Granite : It is a hard rock. It is used for making floor, buildings and statues. Examples: Red Fort

Slate: It is a grey rock. It is used for making blackboard and roofs of houses.

Chalk : It is a soft rock. It is used for writing on blackboards.

Graphite : It is a soft rock. It is used to make the lead of pencils.

Coal : It is a black soft rock. It is used for cooking, in factories and for running steam engines.

7. When sick people cough, sneeze or spit, germs from their bodies go into the air. When a healthy person breathes this air, germs enter his or her body and make him / her sick.

8. We like to have cold drinks and ice cream on a sunny day.

F. Write any six sources of water:

Six sources of water are as follows:

1. Rain 2. Well 3. Sea
4. River 5. Pond 6. Lake

C. Write how water is being used in each of the following pictures:

1. Drinking 2. Washing
3. Mopping 4. Watering plants
5. Washing utensils 6. Washing a car