

# **Brilliant Public School , Sitamarhi**



## **Class -V**

# **Science Worksheets**

**Session : 2012-13**

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# BRILLIANT PUBLIC SCHOOL, SITAMARHI

## V – SCIENCE WORKSHEET

Fill in the blanks :

1. Lotus is dispersed by \_\_\_\_\_.
2. Rice and Jute grow well in \_\_\_\_\_ soils.
3. \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ are necessary for the germination of seeds.
4. The process of scattering or spreading of seeds is known as \_\_\_\_\_ of seeds.
5. Coconut palms need a \_\_\_\_\_ type of soil.
6. \_\_\_\_\_ are called producers of the ecosystem.
7. Animals and man are called \_\_\_\_\_ of the ecosystem.
8. Man is an \_\_\_\_\_.
9. \_\_\_\_\_ is a herbivore.
10. The scientist who study rocks are called \_\_\_\_\_.
11. \_\_\_\_\_ rocks are formed from molten rock material.
12. Cabbage is a \_\_\_\_\_ vegetable.
13. \_\_\_\_\_ is formed from vegetable matter.
14. Rocks contain \_\_\_\_\_.
15. \_\_\_\_\_ are the remains of plants or animals found embedded in the rocks.
16. \_\_\_\_\_ rocks are formed from deposits of sediments.
17. \_\_\_\_\_ and \_\_\_\_\_ are metamorphic rocks.
18. According to the method of their formation , rocks are divided into \_\_\_\_\_ classes.
19. \_\_\_\_\_ is a precious stone.
20. \_\_\_\_\_ have mouth parts that help them to pierce and suck.
21. \_\_\_\_\_ are white soft-bodied ant – like insects which feed on wood.
22. \_\_\_\_\_ is the periodic movement of animals from one place to another and back to their original homes.
23. Insects breathe through \_\_\_\_\_.
24. Frogs use their \_\_\_\_\_ to capture prey.
25. \_\_\_\_\_ is the most highly developed of all animals.
26. Prawns breathe through \_\_\_\_\_.
27. Insects breathe in air through small openings at the sides of their bodies known as \_\_\_\_\_.
28. All \_\_\_\_\_ have three pairs of legs.

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29. The \_\_\_\_\_ is the food factory of a plant.

30. Sugarcane reproduces by means of its \_\_\_\_\_

### II) Name the following :

1. Respiratory organ of birds.
2. Larva of a butterfly.
3. Two fertilizers.
4. Development of a seed into seedling.
5. Green pigments present in leaves.
6. Two sedimentary rocks.
7. Sucking tube of a butterfly.
8. Process of preparing food by plants.
9. Two things we get from plants.
10. Two things we get from animals

### III) Choose the right answer :

1. Cotton is dispersed by (water/wind)
2. (Spider/silverfish) is an insect that has no wings.
3. (copper/diamond )is used to make coins.
4. Animals who eat flesh of dead animal are (herbivores / scavengers)

### IV) Write True or False :

1. Decomposers help to prepare nutrients for the soil from decaying matter. (            )
2. Granite is a metamorphic rock. (            )
3. Plants and animals are dependent on each other for survival.(            )
4. Snakes are reptiles that have no limbs.(            )



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17. Magma :

18. Samples :

19. Chlorophyll:

VI) Match the following :

	<u>Column A</u>
1.	Coal
2.	Pumice
3.	Scavenger
4.	Omnivore
5.	Hiptage
6.	Blue Whale

<u>Column B</u>
Largest living animals( )
Man
Vegetable matter( )
Igneous rock( )
Jackal ( )
Wind( )

VII) Draw , colour and label :

1. Life cycle of a butterfly.

2. Parts of a seed.

# **BRILLIANT PUBLIC SCHOOL, SITAMARHI**

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### **Our Universe**

Fill in the blanks:

1. \_\_\_\_\_ are caused due to the gravitational pull of the moon.
2. The shadow of the \_\_\_\_\_ produces a lunar eclipse.
3. A \_\_\_\_\_ eclipse occurs only on a new moon day.
4. \_\_\_\_\_ are shooting stars.
5. The moon \_\_\_\_\_ the sunlight.
6. An \_\_\_\_\_ is caused when the sun, moon and the Earth are in a straight line.
7. No sound can be heard on the moon as there is no \_\_\_\_\_ there.
8. \_\_\_\_\_ was the first man to land on the moon.
9. Moon is the natural \_\_\_\_\_ of the Earth.
10. The moon takes \_\_\_\_\_ days to go round the earth once.
11. The moon's gravity is only \_\_\_\_\_ as strong as the Earth's gravity.
12. The planet Jupiter has \_\_\_\_\_ moons.
13. The planet that does not have any moon is \_\_\_\_\_
14. Earth has \_\_\_\_\_ moon.

### **Different Life Styles**

I Fill in the blanks :

1. A small baby plant coming out of a seed is called \_\_\_\_\_.
2. An adult frog breaths through its \_\_\_\_\_ under water.
3. Mushrooms, moulds.. reproduce from \_\_\_\_\_.
4. Onion, ginger, potato reproduce from \_\_\_\_\_.
5. Sweetpotato, Carrot reproduce from \_\_\_\_\_.
6. Blackgram, Pea reproduce from \_\_\_\_\_.
7. Bryophyllum reproduces from \_\_\_\_\_.

II Name the following

1. Four natural agents which help in dispersal of seeds  
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
2. Name the agents of dispersal of these seeds :
  1. Coconut \_\_\_\_\_
  2. Pea seeds \_\_\_\_\_

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3. Honesty seeds \_\_\_\_\_

4. Mango seeds \_\_\_\_\_

5. Madar seeds \_\_\_\_\_

3 The four ways in which plants reproduce

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

4 Name the breathing organ of these animals :

1) Fish \_\_\_\_\_

6) Crow \_\_\_\_\_

2) Crab \_\_\_\_\_

7) Snake \_\_\_\_\_

3) Amoeba \_\_\_\_\_

8) Mosquito \_\_\_\_\_

4) Frog \_\_\_\_\_

9) Butterfly \_\_\_\_\_

5. A reptile with no limbs \_\_\_\_\_

6. 2 animals that migrate \_\_\_\_\_

7. 2 insects which do not have wings \_\_\_\_\_

8. 2 reptiles \_\_\_\_\_

9. 2 herbivores \_\_\_\_\_

10. 2 carnivores \_\_\_\_\_

11. 2 omnivores \_\_\_\_\_

12. 2 rodents \_\_\_\_\_

III Write True or False

1. Gills of the fish are red in colour due to the abundant supply of blood.
2. Potatoes and Onions grow best in sandy soil.
3. All insects have wings.
4. Flesh eating birds have sharp hooked beaks for tearing flesh.
5. Birds have beaks and claws suited to their types of food.
6. Wheat grows best in wet and clayey soil.
7. Mosquitoes and bugs have mouth parts that help them to pierce and suck.
8. Strawberry plants are called runners.
9. All animals have the same systems of breathing.
10. Cauliflower and Cabbage grow well in a warm climate.

IV Choose the correct answer

1. Food grains should be stored in ( airtight / air filled ) containers.
2. The chemical used to destroy harmful insects are ( fungicides/ insecticides)
3. Crow is a / an (Omnivore / herbivore).
4. (Oxygen / Carbon dioxide) is essential to produce energy in the body of animals.

# **BRILLIANT PUBLIC SCHOOL, SITAMARHI**

## **V – SCIENCE WORKSHEET**

### **The Moon**

#### **I. FILL IN THE BLANKS**

1. The eclipse of the sun is called \_\_\_\_\_ eclipse.
2. \_\_\_\_\_ was the first Indian to go into the space.
3. The changes in the shapes of the moon are called \_\_\_\_\_ of the moon.
4. The first man made satellite was \_\_\_\_\_.
5. The place beyond the blanket of atmosphere is called \_\_\_\_\_.
6. \_\_\_\_\_ holds the record of the longest space flight for female space traveler.
7. Tides are caused by the \_\_\_\_\_ pull of the moon.
8. The \_\_\_\_\_ satellites are helpful in giving us the live coverage of events.
9. The big hollows on the surface of the moon are called \_\_\_\_\_.
10. The \_\_\_\_\_ moves around the earth .
11. \_\_\_\_\_ are spacecrafts sent to orbit a planet .
12. Due to the absence of \_\_\_\_\_ no sound can be heard on the moon .

#### **II. Name the following**

1. Earth's natural satellite

Ans. \_\_\_\_\_

2. The first Indian satellite

Ans. \_\_\_\_\_

3. Rising and falling movements of ocean water.

Ans. \_\_\_\_\_

4. The eclipse that occurs only on a full moon night.

Ans. \_\_\_\_\_

5. The first man to step on the moon

Ans. \_\_\_\_\_

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6. The objects that cause craters on the moon

Ans. \_\_\_\_\_

7. The eclipse that occurs on the New Moon day

Ans. \_\_\_\_\_

### III. WRITE TRUE or FALSE

1. Earth's closest neighbour in space is the moon. \_\_\_\_\_
2. The sun moves round the earth. \_\_\_\_\_
3. The earth and the moon are opaque objects. \_\_\_\_\_
4. The moon has no light of its own. \_\_\_\_\_
5. The distance of the moon from the earth is 383000 km. \_\_\_\_\_
6. Nearly three fourths of the earth's surface is covered by oceans. \_\_\_\_\_
7. The moon's gravity is one – sixth of the gravity of the earth. \_\_\_\_\_

### Microbes and Diseases

#### Fill in the blanks:-

1. Bacteria and fungi belong to the \_\_\_\_\_ kingdom.
2. Dysentery is caused by \_\_\_\_\_
3. AIDS is caused by \_\_\_\_\_
4. The vaccine for \_\_\_\_\_ is BCG
5. The body's ability to resist a disease is called \_\_\_\_\_
6. \_\_\_\_\_ is an allergy which causes difficulty in breathing.
7. \_\_\_\_\_ invented the vaccine for smallpox.
8. A \_\_\_\_\_ is a medicine that prevents the disease by building up protection in the body.
9. The person who carries the germs and transfers them without themselves getting the disease are called \_\_\_\_\_
10. \_\_\_\_\_ are special preparation of dead or weakened bacteria or viruses of the diseases.
11. The programme started by our government to eradicate polio is \_\_\_\_\_

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12. Name any two of the following:-

- a) Non-communicable diseases \_\_\_\_\_, \_\_\_\_\_
- b) Diseases caused by virus \_\_\_\_\_, \_\_\_\_\_
- c) Diseases caused by bacteria \_\_\_\_\_, \_\_\_\_\_
- d) Diseases caused by fungi \_\_\_\_\_, \_\_\_\_\_
- e) Diseases caused by protozoa \_\_\_\_\_, \_\_\_\_\_
- f) Diseases which spread through air \_\_\_\_\_, \_\_\_\_\_
- g) Diseases which spread through insects \_\_\_\_\_, \_\_\_\_\_
- h) Diseases which spread through contaminated food and water \_\_\_\_\_, \_\_\_\_\_

### Nervous System and Sense Organs

I. FILL IN THE BLANKS

1. \_\_\_\_\_ gives shape and support to our body.
2. The \_\_\_\_\_ protects the brain.
3. The part of the eye on which an image is formed is the \_\_\_\_\_.
4. The nerve at the back of the retina is \_\_\_\_\_.
5. The \_\_\_\_\_ is the thinking part of the brain.
6. The nerves are made up of \_\_\_\_\_.
7. \_\_\_\_\_ nerves carry impulses to the brain.
8. The little brain is the \_\_\_\_\_.
9. The heart and lungs are protected by the \_\_\_\_\_.
10. Reflex actions are due to the messages sent by the \_\_\_\_\_.
11. Nerves which carry messages from the brain are \_\_\_\_\_.
12. Eyeballs are protected by \_\_\_\_\_.

NAME THE FOLLOWING

1. The system that controls all other systems of our body. \_\_\_\_\_
2. The other name of the brain stem. \_\_\_\_\_
3. The largest part of the brain. \_\_\_\_\_
4. The actions controlled by the spinal cord \_\_\_\_\_

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- The control centre of the body \_\_\_\_\_
- The three kinds of nerves.  
a \_\_\_\_\_ b \_\_\_\_\_ c \_\_\_\_\_
- The part of the brain that helps to control the movements during reflex action. \_\_\_\_\_
- The nerve cells which bind together to form a nerve \_\_\_\_\_
- The organ that controls our heartbeat and breathing \_\_\_\_\_
- The part of the brain that helps to control the movements during reflex action.

### WRITE TRUE or FALSE

- The skin forms a covering to protect the internal organs in our body. \_\_\_\_\_
- Medulla makes up 90 percent of the brain tissues. \_\_\_\_\_
- The total length of all the nerves present in the body of an adult human being is about 72 km. \_\_\_\_\_
- We must always breathe through the mouth. \_\_\_\_\_
- It is dangerous to clean our ears with a hairpin or toothpicks. \_\_\_\_\_
- Nerve cells have special thread like parts called fibres. \_\_\_\_\_
- The medulla helps to maintain our body balance. \_\_\_\_\_
- Coughing, sneezing, blinking and jumping are human reflexes \_\_\_\_\_

### Skeletal System

#### FILL IN THE BLANKS

- The frame work of bones in our body is called \_\_\_\_\_.
- An adult person has \_\_\_\_\_ bones in his/her body.
- The human skeleton consists of the skull, the backbone and the \_\_\_\_\_.
- The two parts of limbs are attached to two pairs of \_\_\_\_\_.
- The skull is made up of \_\_\_\_\_ flat bones.
- Our face is made up of \_\_\_\_\_ bones.
- The bones of the face protects the \_\_\_\_\_, \_\_\_\_\_ and tongue.
- The delicate \_\_\_\_\_ passes through the vertebrae.

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9. The rib cage is formed by \_\_\_\_\_ pairs of curved bones called the rib.
10. Arms are joined to the \_\_\_\_\_ with the help of the shoulder girdles and a pair of collar bones.
11. The point where two separate bones meet is called \_\_\_\_\_.
12. The long bone in the upper arm is called \_\_\_\_\_.
13. Muscles are made up of tough \_\_\_\_\_.
14. The muscles are attached to the bones by strong fibres called \_\_\_\_\_.
15. Two muscles are required to move the bones in one \_\_\_\_\_.
16. To make bones strong, we should take food rich in \_\_\_\_\_.
17. There are about \_\_\_\_\_ muscles in our body.
18. A plaster is used to heal the \_\_\_\_\_.
19. A doctor takes \_\_\_\_\_ to see the break in the bone.
20. A child has more than \_\_\_\_\_ bones in its body.

### NAME THE FOLLOWING

1. The jaw which can not be moved \_\_\_\_\_
2. Another name for backbone \_\_\_\_\_
3. Number of bones in vertebral column \_\_\_\_\_
4. The organs protected by rib cage \_\_\_\_\_, \_\_\_\_\_
5. The two pairs of lower ribs which are not attached to the breast bone. \_\_\_\_\_
6. Tissues that are tough and hold the bones together \_\_\_\_\_

# **BRILLIANT PUBLIC SCHOOL, SITAMARHI**

## **V – SCIENCE WORKSHEET**

### **Food and Health**

I Fill in the blanks

1. The food we eat daily is called our \_\_\_\_\_.
2. The diet that contains all important substances is called a \_\_\_\_\_ diet.
3. \_\_\_\_\_ keep our body fit and enable us to fight diseases.
4. \_\_\_\_\_ give us energy to work and play.
5. Diseases like filariasis is carried by \_\_\_\_\_.
6. Typhus fever is carried by \_\_\_\_\_.
7. Communicable diseases are caused by \_\_\_\_\_.
8. \_\_\_\_\_ is spread by fleas that live on rats.
9. Diseases caused by lack of Vitamins or minerals are called \_\_\_\_\_.
10. \_\_\_\_\_ are made of small quantities of dead or weak germs of a particular disease.

II Name the following

1. Disease caused by lack of Iodine \_\_\_\_\_.
2. Disease caused by lack of Iron \_\_\_\_\_.
3. Diseases that spread from one person to another person \_\_\_\_\_.
4. Single celled micro – organism. \_\_\_\_\_.
5. Person who discovered vaccine for Smallpox. \_\_\_\_\_.
6. Vaccine given at birth \_\_\_\_\_.

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## **V – SCIENCE WORKSHEET**

### **Organ Systems**

Fill in the blanks:-

1. The \_\_\_\_\_ is a J-shaped organ.
2. \_\_\_\_\_ is the longest and heaviest internal organ.
3. The \_\_\_\_\_ produces bile which is stored in the \_\_\_\_\_
4. The \_\_\_\_\_ is a thick bundle of nerves that runs down the spine.
5. The nervous system consists of \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_
6. \_\_\_\_\_ helps to break down the food into \_\_\_\_\_ and \_\_\_\_\_
7. The \_\_\_\_\_ stores the nutrients from the food and also changes food from one form to another.
8. The pumping action of the heart is called \_\_\_\_\_
9. The \_\_\_\_\_ is the centre of the nervous system.
10. The \_\_\_\_\_ filter the blood.
11. The lungs throw out \_\_\_\_\_ while the skin removes \_\_\_\_\_ as waste.
12. All the bones of the body are together known as the \_\_\_\_\_
13. The \_\_\_\_\_ protects the brain.
14. The \_\_\_\_\_ protects the spinal cord.
15. \_\_\_\_\_ are like elastic threads that join bones with one another.
16. \_\_\_\_\_ and \_\_\_\_\_ of our muscles make our bones move.
17. Our heart beats \_\_\_\_\_ times a minute.
18. The digested food is absorbed by the walls of the \_\_\_\_\_
19. Number of bones in human body \_\_\_\_\_
20. Number of muscles in our body \_\_\_\_\_
21. The smallest bone in our body is in our \_\_\_\_\_
22. A \_\_\_\_\_ is used to hear the heart beat.

# BRILLIANT PUBLIC SCHOOL, SITAMARHI

## V – SCIENCE WORKSHEET

### Organ System

I Fill in the blanks :

1. A group of organs which work together to perform a function are called \_\_\_\_\_.
2. The food from the mouth goes into the \_\_\_\_\_.
3. The small intestine is about \_\_\_\_\_ feet in length.
4. \_\_\_\_\_ is the largest organ in the body.
5. Air entering our body is filtered by \_\_\_\_\_ in the nose.
6. There are \_\_\_\_\_ bones in our body.
7. The undigested food is passed into \_\_\_\_\_.
8. Respiratory System consists of \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
9. Wind pipe is also known as \_\_\_\_\_.
10. The food gives us \_\_\_\_\_ to work or play.
11. The pumping action of the heart is called a \_\_\_\_\_.
12. \_\_\_\_\_ and \_\_\_\_\_ are the two types of blood vessels.
13. Brain is protected by a hard, bony structure called \_\_\_\_\_.
14. Our heart beats \_\_\_\_\_ times a minute.
15. The main organs of the excretory system are \_\_\_\_\_.
16. The skin removes waste as \_\_\_\_\_.
17. All the bones of our body are together known as \_\_\_\_\_.
18. \_\_\_\_\_ helps the bones to move.
19. The bones meet each other and these meeting points are called \_\_\_\_\_.
20. \_\_\_\_\_ is the centre of nervous system.
21. Calamities caused by nature are called \_\_\_\_\_.
22. The origin point of an earthquake is called as \_\_\_\_\_.
23. \_\_\_\_\_ is the major cause of landslides in hilly areas.
24. A natural calamity affects the \_\_\_\_\_ of a country.

# **BRILLIANT PUBLIC SCHOOL, SITAMARHI**

## **V – SCIENCE WORKSHEET**

### **Rocks and Minerals**

I Fill in the blanks

1. The hot liquid rock that lies below the earth's crust is known as \_\_\_\_\_.
2. The magma that reaches the earth's crust and flows out is called \_\_\_\_\_.
3. Basalt is a \_\_\_\_\_ rock.
4. Minerals are found in rocks as \_\_\_\_\_.
5. \_\_\_\_\_ is the hardest substance in the world.
6. The remains of plants and animals found in sedimentary rocks are called \_\_\_\_\_.

II Name the following.

1. Three main classes of rocks.  
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
2. Two sedimentary rocks.  
\_\_\_\_\_, \_\_\_\_\_.
3. Two Igneous rocks.  
\_\_\_\_\_, \_\_\_\_\_.
4. Three rock forming minerals.  
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
5. Two Metamorphic rocks.  
\_\_\_\_\_, \_\_\_\_\_.
6. Rocks formed by accumulation of sediments or river and ocean beds. \_\_\_\_\_, \_\_\_\_\_.
7. Rocks formed by cooling of hot molten matter that comes out of the Earth. \_\_\_\_\_
8. Rocks formed from Sedimentary and Igneous rocks under the effect of heat and pressure \_\_\_\_
9. Two underground resources \_\_\_\_\_, \_\_\_\_\_.
10. Rock formed by metamorphosis of granite \_\_\_\_\_.
11. Rock formed by metamorphosis of lime-stone.  
\_\_\_\_\_.
12. Metamorphic rock which splits into thin slices.

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## V – SCIENCE WORKSHEET

### NAME THE FOLLOWING

1. The lowest layer of the atmosphere \_\_\_\_\_.
2. The blanket of air surrounding the earth's surface \_\_\_\_\_.
3. Three gases present in air.  
\_\_\_\_\_
4. The outermost layer of the atmosphere . \_\_\_\_\_
5. The process by which plants prepare their own food. \_\_\_\_\_
6. A chemical substance used to kill germs. \_\_\_\_\_
7. A universal solvent. \_\_\_\_\_
8. The purest form of water. \_\_\_\_\_
9. Two methods of removing soluble impurities of water. \_\_\_\_\_
10. Two methods of removing insoluble substances of water. \_\_\_\_\_, \_\_\_\_\_.

### WRITE TRUE OR FALSE

1. The ozone layer is a part of the stratosphere. \_\_\_\_\_
2. Atmosphere is divided into two parts. \_\_\_\_\_
3. Aircrafts usually fly in the exosphere. \_\_\_\_\_
4. Both plants and animals respire \_\_\_\_\_.
5. Ionosphere reflects radio waves back to the earth. \_\_\_\_\_
6. Inhaled air is warmer than exhaled air. \_\_\_\_\_.
7. Oceans contain 75% of earth's water. \_\_\_\_\_
8. Boiling the water is the best method of killing germs. \_\_\_\_\_
9. The substances which dissolve in water are called insoluble substances. \_\_\_\_\_
10. When a solid dissolves in a liquid a solute is formed. \_\_\_\_\_
11. Inspired air is rich in oxygen. \_\_\_\_\_
12. Water flow from a higher level to lower level. \_\_\_\_\_
13. Soluble substances can be removed from water by filtration. \_\_\_\_\_
14. Air is needed for burning. \_\_\_\_\_
15. Ionosphere is the outermost layer of the atmosphere. \_\_\_\_\_

### FILL IN THE BLANKS

1. Air has weight so it exerts \_\_\_\_\_.
2. During photosynthesis plants take in \_\_\_\_\_.
3. The substances which dissolve in water are called \_\_\_\_\_ substances.
4. When a solid dissolves in a liquid a \_\_\_\_\_ is formed.

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## **V – SCIENCE WORKSHEET**

5. The method of removing insoluble impurities is called \_\_\_\_\_.
6. During photosynthesis plants give out \_\_\_\_\_.
7. The ozone layer is a part of \_\_\_\_\_.
8. It is the \_\_\_\_\_ pressure which pushes a liquid through a siphon.
9. Inspired air is rich in \_\_\_\_\_.
10. \_\_\_\_\_ the water is the best way of killing germs.
11. During the process of evaporation the \_\_\_\_\_ is lost.
12. The substances which do not dissolve in water are called \_\_\_\_\_ substances.
13. The dissolved substances can be removed from water by \_\_\_\_\_.
14. During the process of filtration the clear water obtained is called \_\_\_\_\_.
15. Expired air is rich in \_\_\_\_\_.

# BRILLIANT PUBLIC SCHOOL, SITAMARHI

## V – SCIENCE WORKSHEET

### States of Matter

#### FILL IN THE BLANKS

1. Anything that occupies space and has weight is called \_\_\_\_\_.
2. A \_\_\_\_\_ has a definite shape and volume.
3. Matter is made up of tiny particles called \_\_\_\_\_.
4. Molecules are made up of very tiny particles called \_\_\_\_\_.
5. When the change is only in state of matter, it is called a \_\_\_\_\_.
6. When the change is in the State as well as composition of matter it is called a \_\_\_\_\_.
7. The molecules of gas are \_\_\_\_\_ packed.
8. \_\_\_\_\_ makes the salt highly pure.
9. A mixture of salt and water is called a \_\_\_\_\_.
10. A \_\_\_\_\_ has a definite shape and volume.
11. A \_\_\_\_\_ has a definite volume but does not have a definite shape.
13. When atoms of different kinds combine \_\_\_\_\_ are formed.
14. Molecules of perfume move from one corner to another. This is known as \_\_\_\_\_.

#### NAME THE FOLLOWING

1. Anything that occupies space and has mass . \_\_\_\_\_
2. A molecule that contains two atoms of hydrogen and one atom of oxygen. \_\_\_\_\_
3. A molecule that contains two atoms of oxygen and one atom of carbon. \_\_\_\_\_
4. The space between the molecules. \_\_\_\_\_
5. A unique mixture that exist on the earth and nowhere else in the solar system. \_\_\_\_\_
6. A liquid in which a solid dissolves. \_\_\_\_\_
7. A solid which dissolves in a liquid. \_\_\_\_\_
8. A homogenous mixture of solute in a solvent . \_\_\_\_\_
9. A matter made up of different kinds of atoms combined in fixed numbers. \_\_\_\_\_

# BRILLIANT PUBLIC SCHOOL, SITAMARHI

## V – SCIENCE WORKSHEET

10. Conservation of liquid into gaseous state. \_\_\_\_\_

11. Three states of matter. \_\_\_\_\_

### WRITE THE TYPE OF CHANGE IN THE FOLLOWING

1. Heating water and changing into water vapour.
2. Melting of wax.
3. Burning of paper.
4. Making of Chapatti

IV. Draw Colour and label molecule of water and molecule of carbon dioxide.

### Simple Machine

#### FILL IN THE BLANKS

1. Claw hammer and scissors are examples of lever of \_\_\_\_\_ order.
2. If we place two inclined planes together, back to back, we get a \_\_\_\_\_.
3. The downward force which you apply on a tin for opening the lid is called \_\_\_\_\_.
4. The stick through which force is applied for lifting the boulder is considered as \_\_\_\_\_.
5. In which order of lever, the fulcrum is at the centre and load and effort are on the opposite sides \_\_\_\_\_.
6. Tongs, bread knife, forceps etc are the common examples of levers of \_\_\_\_\_ order.
7. A slide in a park is based on which simple machine \_\_\_\_\_.
8. An axe is a wedge used as a \_\_\_\_\_.
9. A man rowing a boat is an example of lever of \_\_\_\_\_ order.
10. When an object floats on water it displaces water equal to its \_\_\_\_\_.
11. The apparent loss in weight of an object is \_\_\_\_\_ to the weight of water \_\_\_\_\_.
12. The weight of an object in water is called its \_\_\_\_\_ weight and the weight in air is called \_\_\_\_\_ weight.
13. Objects float, because the \_\_\_\_\_ force supports their weight.

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14. Give two example of each of the following.

1. An inclined plane \_\_\_\_\_
2. First order of lever \_\_\_\_\_
3. Second order of lever \_\_\_\_\_
4. Third order of lever \_\_\_\_\_
5. A wheel and axle \_\_\_\_\_
6. Wedge \_\_\_\_\_

### NAME THE FOLLOWING

1. An inclined plane wrapped around a cylinder or a rod \_\_\_\_\_.
2. It consists of two cylinders which revolve round a common point \_\_\_\_\_
3. A rigid bar that can turn about a fixed point called fulcrum is known as \_\_\_\_\_
4. It is used to draw water from the well. \_\_\_\_\_
5. The upward push of water on a floating object \_\_\_\_\_.
6. We use this to hold the things together as they cannot be easily pulled out \_\_\_\_\_.

III. Draw any one simple machine from each order of lever , name it and mark load, fulcrum and effort points.

### Energy and Work

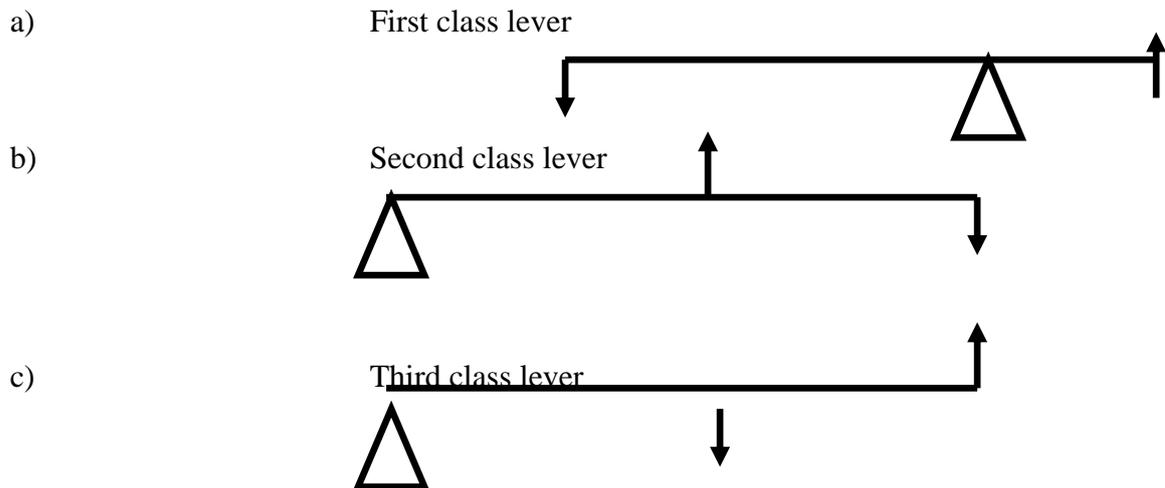
1. The weight that we use on the lever is called \_\_\_\_\_, the weight that we try moving is called \_\_\_\_\_ and the point that gives support but does not move is the \_\_\_\_\_
2. A \_\_\_\_\_ is a continuously moving lever.
3. Windlasses are used to raise and lower \_\_\_\_\_.
4. The upward force exerted by a liquid is called \_\_\_\_\_ or \_\_\_\_\_ .
5. Objects that float displace water \_\_\_\_\_ to their weight.
6. Objects that sink displace water \_\_\_\_\_ than their weight.
7. Two liquids of high density \_\_\_\_\_, \_\_\_\_\_.
8. Two liquids of low density. \_\_\_\_\_, \_\_\_\_\_.
9. A nail \_\_\_\_\_ in alcohol.
10. Two liquids which do not mix with each other \_\_\_\_\_, \_\_\_\_\_
11. An object that floats on water \_\_\_\_\_.

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12. A substance that dissolves in water \_\_\_\_\_.
13. A substance that does not dissolve in water \_\_\_\_\_.
14. An \_\_\_\_\_ does not decrease work but makes it easier.
15. A \_\_\_\_\_ is an inclined plane wrapped round a rod.
16. A simple machine used to hoist flags \_\_\_\_\_.
17. A simple machine used to join two blocks of wood \_\_\_\_\_.

Name the points (effort, load and fulcrum) on the following:



Give two examples for each of the following:

- (i) First class of lever \_\_\_\_\_, \_\_\_\_\_
- (ii) Second class of lever \_\_\_\_\_, \_\_\_\_\_
- (iii) Third class of lever \_\_\_\_\_, \_\_\_\_\_
- (iv) Wheel and Axle \_\_\_\_\_, \_\_\_\_\_
- (v) Inclined plane \_\_\_\_\_, \_\_\_\_\_

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## V – SCIENCE WORKSHEET

### Matter and Materials

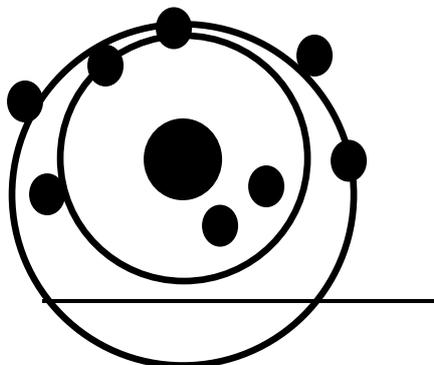
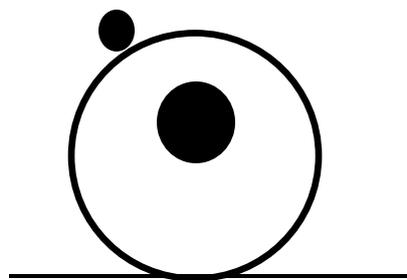
Fill in the blanks :

1. The molecules of a substance are always \_\_\_\_\_.
2. All molecules are made up of still smaller particles called \_\_\_\_.
3. A molecule of carbon dioxide contains \_\_\_\_\_ atom of Carbon and \_\_\_\_\_ atoms of Oxygen.
4. Dissolved solids separate as \_\_\_\_\_ from solutions.
5. Common salt is obtained by \_\_\_\_\_ sea water shallow beds.
6. There is space between the molecules called the \_\_\_\_\_
7. The chemical name of common salt is \_\_\_\_\_

Name the following :

1. Anything that has weight and occupies space.  
\_\_\_\_\_
2. A substance that has a fixed shape and a definite volume  
\_\_\_\_\_
3. A substance that has no fixed shape but has a definite volume  
\_\_\_\_\_.
4. A substance that has neither a definite shape nor a definite volume \_\_\_\_\_.
5. The tiny particles matter is made of  
\_\_\_\_\_.

Identify the atoms and name them.



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### Air and Water

Fill in the blanks :

1. The earth is surrounded by a thick layer of air called \_\_\_\_\_.
2. Fish and other aquatic animals breathe oxygen \_\_\_\_\_ in water.
3. \_\_\_\_\_ is used to burn food to produce \_\_\_\_\_ and \_\_\_\_\_.
4. The air we breathe in is \_\_\_\_\_.
5. The air we breathe out is \_\_\_\_\_.
6. \_\_\_\_\_ is given out during photosynthesis.
7. \_\_\_\_\_ is the active part of air and \_\_\_\_\_ is the inactive part.
8. Oxygen is \_\_\_\_\_ of the air by volume.
9. A syringe, lift pump, straw etc work on the principle of \_\_\_\_\_.
10. Substances that dissolve in water are called \_\_\_\_\_ and which do not dissolve in water are called \_\_\_\_\_ substances.
11. Dissolved substances in water can be separated by the processes of (1) \_\_\_\_\_ and (2) \_\_\_\_\_.
12. Methods of separating insoluble substances are (1) \_\_\_\_\_ (2) \_\_\_\_\_.
13. \_\_\_\_\_ is the best method of killing germs in water.
14. Air exerts \_\_\_\_\_.
15. Water is a good \_\_\_\_\_.
16. The clean water that collects after passing through the filter is called \_\_\_\_\_.
17. Air exerts a pressure of \_\_\_\_\_ kg per sq.cm
18. \_\_\_\_\_ is used for purifying water.
19. The gas used up in burning is \_\_\_\_\_.