

**New Amazing Science**  
**6**  
**Worksheet**

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### Worksheet # 1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. How can you prepare slide from onion peels? Write steps.

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Q2. State whether true or false.

- a. Cells are simple structures \_\_\_\_\_
- b. Organelles are part of cells with a special function \_\_\_\_\_
- c. Chloroplast controls the entry and exit of substances in a plant cell \_\_\_\_\_.
- d. Mitochondria are powerhouses of cells \_\_\_\_\_.
- e. Cell wall is the thick layer around the animal and plant cell \_\_\_\_\_.

## Worksheet # 2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Draw the structures of the following specialised cell.

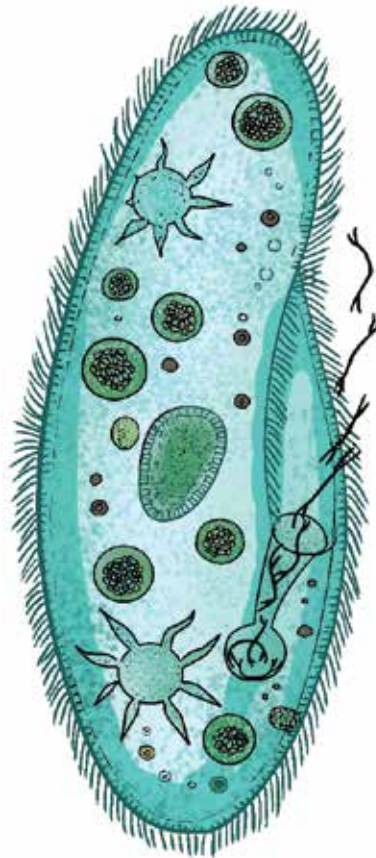
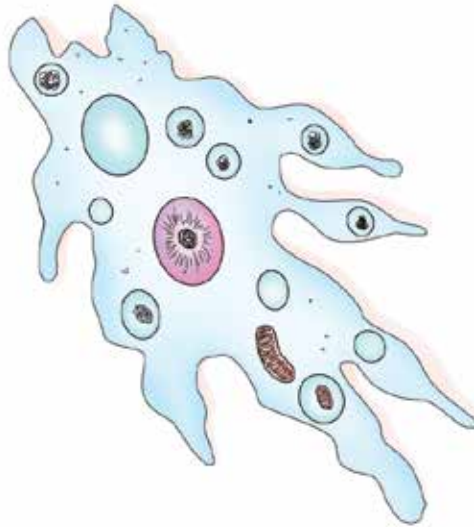
- Motor Nerve Cell

- Red Blood Cell

- Phloem

- Root hair Cell

Q2. Name the uni-cellular organisms shown below:



### Worksheet # 3

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Q1. Complete the following line to show hierarchy in life.

CELLS \_\_\_\_\_

Q2.i. Name any five systems in human body:

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

d. \_\_\_\_\_

ii. Define any two of the above mentioned systems.

# Unit 2

## REPRODUCTION IN PLANTS

### Worksheet # 1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Complete the following statement using words from the box below.

reproduction asexual style sexual genes sticky pollination

1. \_\_\_\_\_ is the essential part of life cycle of plant.
2. \_\_\_\_\_ produces genetically identical plants.
3. In \_\_\_\_\_ reproduction, offspring receives half \_\_\_\_\_ from each parent.
4. Stigma has \_\_\_\_\_ surface for pollen grains to attach to \_\_\_\_\_.
5. \_\_\_\_\_ is the process of transfer of pollen grains.

Q2. Match to the correct statement.

|                  |                             |
|------------------|-----------------------------|
| Dandelion        | Take away                   |
| Acorn            | Seed dispersal as parachute |
| Himalayan balsam | Winged seeds                |
| Sycamore         | Explodes                    |
| Blackberries     | Juicy Fruits                |

## Worksheet # 2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Fill the table below.

|                      | Advantage | Disadvantage |
|----------------------|-----------|--------------|
| Asexual Reproduction |           |              |
| Sexual Reproduction  |           |              |

Q2. Many plants reproduce from stems. Name the 4 types, and briefly write about it.

- i. \_\_\_\_\_  
\_\_\_\_\_
- ii. \_\_\_\_\_  
\_\_\_\_\_
- iii. \_\_\_\_\_  
\_\_\_\_\_
- iv. \_\_\_\_\_  
\_\_\_\_\_

# Unit 3

## BALANCED DIET

### Worksheet # 1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Look at the picture and name the food types:



Q2. Fill in the blanks.

1. Our bodies are 70% \_\_\_\_\_.
2. \_\_\_\_\_ have 2.5 times more energy than carbohydrates.
3. Amino acids are basic building blocks of \_\_\_\_\_.

## Worksheet # 2

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Q1. Give examples of the following diet:

- a. Carbohydrates \_\_\_\_\_
- b. Vegetables and fruits \_\_\_\_\_
- c. Dairy products, meat and fish \_\_\_\_\_
- d. Fats and oils \_\_\_\_\_

Q2. Write a brief note to explain why some food are bad for your health

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### Worksheet # 1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Complete the following:

- a. \_\_\_\_\_ begins the process of breaking down food and makes food moist so it is easier to swallow.
- b. The \_\_\_\_\_ intestine is where digestion continues so nutrients can be absorbed into the body.
- c. The \_\_\_\_\_ intestine absorbs water from undigested food and forms waste into faeces.
- d. Liver produces \_\_\_\_\_ which helps the body absorb fats.

Q2. Name the different type of teeth with their functions:



## Worksheet # 2

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

1. List three ways to prevent constipation:

\_\_\_\_\_

2. List two possible causes of diarrhea.

\_\_\_\_\_

3. List three ways to avoid indigestion.

\_\_\_\_\_

4. What causes indigestion?

\_\_\_\_\_

5. What could be the result of indigestion?

\_\_\_\_\_

6. What causes ulcers?

\_\_\_\_\_

7. In severe cases of constipation what medicine is prescribed by the doctors ?

\_\_\_\_\_

### Worksheet #1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Write the four main points in the particle model.

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Q2. Complete the following.

- a. \_\_\_\_\_ are completely incompressible.
- b. In \_\_\_\_\_ the particles have no fixed pattern and are close together.
- c. In \_\_\_\_\_ there is no fixed pattern and the particles are far apart.
- d. When \_\_\_\_\_ energy is absorbed or released \_\_\_\_\_ can change from state to another.
- e. \_\_\_\_\_ is the change of state from solid to liquid.

## Worksheet #2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Give any three evidences that support the kinetic theory.

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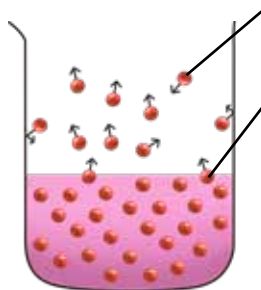
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Q2. Label the given diagram.



Q3. When you smell freshly bake pizza, what phenomenon is behind it?

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# Unit 6

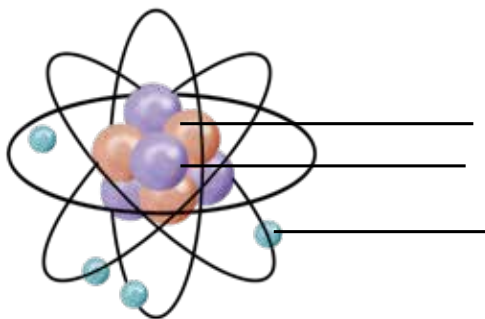
## ELEMENTS AND COMPOUNDS

### Worksheet #1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Label the given diagram.



Q2. Write the charges of given particles of an atom.

- Proton
- Neutron
- Electron

Q3. Complete:

1. The air around us is made up of \_\_\_\_\_.
2. \_\_\_\_\_ are substances that are made up of one kind of atom.
3. The gas that we inhale is \_\_\_\_\_ which is an element.

## Worksheet #2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q.1.** Select from the given list and enter in the respective column.

Oxygen    Carbohydrate    Carbon    Chlorine    Sodium Chloride

| Elements | Compounds |
|----------|-----------|
|          |           |
|          |           |
|          |           |
| Chlorine |           |

**Q.2.** Join the name of elements to the compound it is part of.

| Elements                   | Compounds                          |
|----------------------------|------------------------------------|
| Zinc ( Zn ) ,Chlorine(Cl)  | Water(H <sub>2</sub> O)            |
| Hydrogen(H), Oxygen(O)     | Zinc Chloride (ZnCl <sub>2</sub> ) |
| Hydrogen(H), Chlorine (Cl) | Hydrochloric Acid(HCl)             |
| Carbon(C), Oxygen(O)       | Methane (CH <sub>4</sub> )         |
| Carbon(C), Hydrogen(H)     | Carbon dioxide(CO <sub>2</sub> )   |

## Worksheet #1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Complete the following.

- A pure substance is \_\_\_\_\_
- A mixture is formed \_\_\_\_\_
- Air is a mixture of \_\_\_\_\_ and \_\_\_\_\_
- Sea water is a \_\_\_\_\_

Q2. Mark whether True or False.

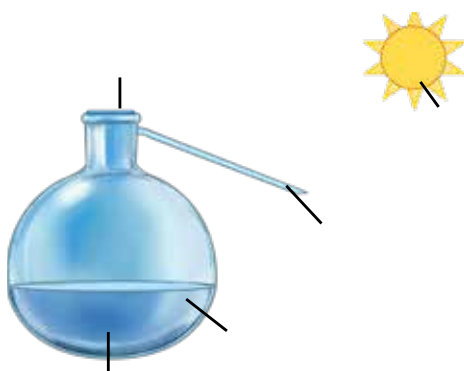
| Statement                                                                                    | True/False |
|----------------------------------------------------------------------------------------------|------------|
| Compounds have no fixed composition                                                          |            |
| Mixtures contain two or more substances                                                      |            |
| Compounds have properties different than those elements who join together to form a compound |            |
| Common table salt dissolves quickly in water                                                 |            |

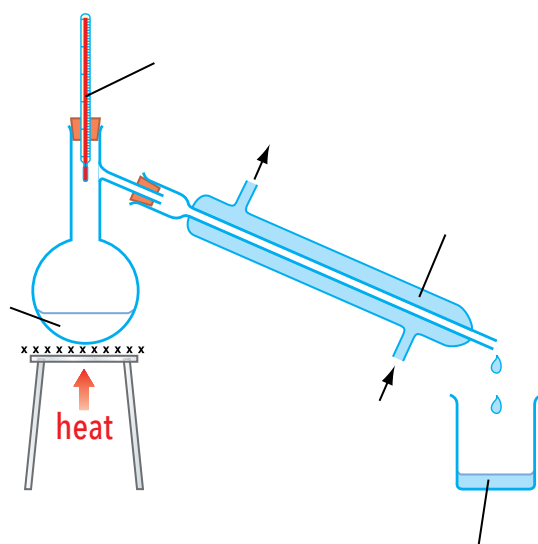
## Worksheet #2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Identify the type of mixture separation shown in the diagrams and label them.





**Q2.**

i. What is sublimation?

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ii. What is chromatography?

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### Worksheet #1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q.1** Answer the given questions.

a. What type of energy is more in fast moving objects?

\_\_\_\_\_

b. What is energy?

\_\_\_\_\_

c. Where is electrical energy to run the train?

\_\_\_\_\_

d. Which form of energy increases with height?

\_\_\_\_\_

**Q.2** Look at the given pictures and identify the form of energy shown in each.

a.



c.



b.



## Worksheet #2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q. Find the hidden ten words in the puzzle (look in all directions).**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | O | L | A | R | E | K | T | H | O | M | E | E | N |
| L | C | E | Y | M | N | E | H | O | H | P | A | E | A |
| N | C | H | E | M | I | C | A | L | T | A | T | C | L |
| S | M | N | U | C | L | E | A | R | E | N | A | L | O |
| L | I | N | L | N | M | A | A | I | S | C | I | I | S |
| C | P | C | I | C | E | H | T | L | C | T | I | E | L |
| M | O | R | N | I | C | E | N | E | R | G | Y | I | S |
| N | T | N | C | T | H | A | L | E | M | S | N | A | L |
| C | E | M | C | E | A | T | C | I | T | S | A | L | E |
| H | N | T | C | N | N | I | I |   | P | M | I | N | L |
| N | T | S | A | I | I | I | E | R | A | E | A | D | P |
| R | I | E | E | K | C | I | I | A | O | E | L | N | T |
| O | A | T | L | E | A | I | E | A | C | N | I | I | E |
| N | L | M | Y | L | L | L | L | T | C | Y | L | W | I |

### Worksheet # 1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

#### Q.1 Define

- Static electricity
- Electrical Energy
- Electric Current
- Conductors
- Insulators

#### Q.2 Mark the statements as True or False.

| Statement                                               | True/False |
|---------------------------------------------------------|------------|
| Static electricity is also known as natural electricity |            |
| Shining copper wires are bad conductors of heat         |            |
| Plastics and rubbers are bad insulators                 |            |
| Battery is a energy source in the circuit               |            |

## Worksheet # 2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q.1** Select from the given word list to fill in the blanks.

switch   resistance   wire   connected   open

1. The opposition to the flow of current is known as \_\_\_\_\_
2. A \_\_\_\_\_ is used to open and close a circuit.
3. Electron charge cannot flow in a \_\_\_\_\_ circuit.
4. All the devices \_\_\_\_\_ in a circuit receive current.
5. A \_\_\_\_\_ is a conductor that receives current.

**Q.2** Draw the symbols of the following.

- Battery
- Conductor(wire)
- Light Bulb
- Switch

### Worksheet #1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q1.** Select the correct option and write:

a. The South and North sides of a bar magnet facing each other.  
(Repel/Attract)

\_\_\_\_\_

b. The North pole of one bar magnet facing North pole of another bar magnet.  
(Repel/Attract)

\_\_\_\_\_

c. The South pole of a bar magnet facing South pole of another bar magnet.  
(Repel/Attract)

\_\_\_\_\_

**Q2.** Name the given magnets based on their shape.



a.



b.

**Q3.** Draw a diagram to show what happens when iron fillings are sprinkled on a magnetic bar.

## Worksheet #2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q1.** Fill in the blanks.

- a. A ----- is created when electricity flows through an electric wire.
- b. ----- is used for navigation since ancient times.
- c. When a wire behaves like a magnet and attracts same type of material as iron does, it is known as -----.
- d. ----- are useful as they can be turned on/off.
- e. They are used to store ----- in ----- and MRI -----.
- f. ----- equipment which are used to examine inside of a patient's body.

**Q2.** Name any three objects which are run by electromagnets.

- 
- 
-

### WORKSHEET 1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q1.** Draw and label the solar system.

**Q2.** Complete the following :

- i. The inner planets are namely \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
- ii. The outer planets are namely \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
- iii. \_\_\_\_\_ is the largest planet in our solar system.
- iv. Life is only possible on \_\_\_\_\_ due to \_\_\_\_\_ of oxygen.
- v. Pluto is a \_\_\_\_\_ planet.

## WORKSHEET 2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Q1. Identify the following pictures.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

Q2. Complete the following:

GPS means \_\_\_\_\_.

A meteorite is made up of \_\_\_\_\_ or \_\_\_\_\_

Comets orbit around the \_\_\_\_\_.

Our cars have \_\_\_\_\_ devices, which are for tracking

Comet Shoemaker Levy 9 crashed into \_\_\_\_\_ in 1994, breaking down into 20 fragments.

\_\_\_\_\_ have long tails made up of gases when passing close to the Sun in their orbits.

# Unit 12

## TECHNOLOGY IN EVERYDAY LIFE

### WORKSHEET 1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q1.** Tick whether True or False.

| Statement                                                          | True | False |
|--------------------------------------------------------------------|------|-------|
| Probiotics are harmful for us.                                     |      |       |
| In order to make food like yoghurt, instructions must be followed. |      |       |
| Lactose is present in milk.                                        |      |       |
| Earthen pots are not good for plant growth.                        |      |       |
| Solar oven work by electric energy.                                |      |       |

**Q2.** Draw a diagram of an electric bell.

## WORKSHEET 2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q1.** Fill in the blank.

1. \_\_\_\_\_ healthy and stay \_\_\_\_\_.
2. \_\_\_\_\_ foods are healthier.
3. Buying yogurt from market in \_\_\_\_\_ cups and bags is harmful.
4. Banana peels and egg shells can be used at home to make \_\_\_\_\_.

**Q2.** Match the following to its correct answer.

|                                       |
|---------------------------------------|
| Technology has made our lives         |
| Baking requires the use of            |
| Great meals can be cooked using       |
| We can conveniently make this at home |

|               |
|---------------|
| Oven          |
| Easier        |
| Electric bell |
| Solar oven    |