



Materials Designed by **BRAC Institute of Languages (BIL)**

**A. Hello friends! My name is Dr. Mahub and I am a scientist. Today, I am going to introduce you to different streams of science.**

Now, we are going to discuss about three branches of science. Firstly, let us talk about **Chemistry**. It is a science that describes the physical properties, composition, structure and reactions of matter. For example, hydrogen and oxygen together form water.

Secondly, we are going to discuss about **Physics**. It is the science of matter and energy. For instance, it studies light, sound, electricity, motion and many other things.

Another branch of science is **Biology** which studies all living things. For example, it deals with the human body, plants, animals and all kinds of living organisms.

Finally, we are going to learn about **Mathematical Science**. This branch of science deals with the logic of quantity, shape and arrangement. It includes Arithmetics, Algebra and Geometry.

**B. Match the following words with their meanings:**

WORD	MEANING
1. Composition	a. any living thing, such as animals, plants, fungus, or bacteria.
2. Motion	b. something that has weight and occupies space
3. Organisms	c. act or process of putting things together
4. Matter	d. process or act of moving something or its parts

**C. Try the experiment named "Bottle Tornado" by following the given steps. After your experiment, write your observation below:**

**What you need:**  
Water  
A clear plastic bottle with a cap (that will not leak)  
Glitter  
Liquid soap

**Steps to be followed:**

- Fill the plastic bottle with water until it is three quarters full.
- Add a few drops of liquid soap.
- Mix a few pinches of glitter (this will make your tornado easier to see).
- Put the cap on tightly.
- Turn the bottle upside down and hold it by the neck.
- Quickly spin the bottle in a circular motion for a few seconds.
- Stop and look inside.

**I can see**

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## Class: VI-VIII Fun with Science

**D. Fill up the blanks with appropriate prepositions or prepositional phrases from the box.**

due to, from, within, because of

- Apples fall on the ground ..... gravitational force of attraction.
- Clouds are formed ..... the water droplets that evaporate from lakes, rivers and oceans.
- We see a rainbow because of the reflection of sunlight ..... the droplets of water after the rain.
- A boat floats on water ..... its lighter density compared to the average density of water.

**E. Here is a food chain of some living beings. Draw arrows to complete the relationship of the food chain.**

**Look at the food chain and complete the following blanks. The first sentence is done for you.**

It starts with the plant which is eaten by the rabbit and rat. ....

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**F. Rearrange the sentences given in the table and try to find out some fun facts of science.**

1. Sound	moves	impossible.
2. Sneezing with your eyes open	is	taller in space as there is no gravity.
3. A hippopotamus	can run	four times faster through water than air.
4. Man	becomes	faster than man.

**For Teachers:**  
The teacher will announce that the students are going to have some fun with science. Firstly, the teacher can introduce them to the different streams of science and then form groups to do the activity B and E. Secondly, the students can be paired up to do the activity D and F and the teacher can ask them to share their answers with the whole class. Finally, the teacher can form groups and encourage the students to try the scientific experiment of activity C. During their experiment, the teacher will monitor and guide the students when required.

**Learning Objectives:**  
Prepositional phrase, Sentence making, Critical thinking,

**Answer key: B**

1.c    2.d    3.a    4.b

## ELECTRONICS SAFETY

Electronics make our lives easier. However, they can be very dangerous if they are not handled carefully. Electronics should always be **handled with care to avoid any accident.**

