

**Class: VIII**

**SUBJECT: Science**

**(A, B, C)**

**Biology:**

1. Identify the following:-
  - (a) Providing water to crops
  - (b) Keeping crop grains for a long time under proper conditions
  - (c) Certain plants of the same kind grown on a large scale
  - (d) A machine used for cutting the matured crop
  - (e) A Rabi crop that is also one of the pulses
  - (f) A process of separating chaff from the grains
  - (g) A way of collecting rainwater & later using it for domestic or other purposes
2. Write a short note on Vermicomposting.
3. Explain and draw a neat diagram of Nitrogen cycle.
4. Draw a mind map to show the steps involved in crop production and Nitrogen cycle.

**Physics:**

1. Draw a Flow chart about types of forces.
2. Collect and paste related pictures about forces.
3. If a man stands on chair, chances of its breaking are more but if a man sits on chair, chances of its breaking are less. Explain.
4. Why does the nose of a mountaineer bleed at high altitudes?
5. Why does an astronaut wear a special type of suit?
6. The pressure due to atmosphere is very large. Why we are not crushed?
7. Calculate the pressure exerted by a brick, which applies a force of 30 N, when
  - (a) It is placed upright on the soil.
  - (b) When it is placed on its widest base.The length, breadth and height of the brick are 20cm, 10cm & 5 cm respectively
8. Explain different forces with examples.

**Chemistry:**

1. Give three uses each of nylon and acrylic.
2. Define the following
  - (a) Polymer
  - (b) Synthetic fibre
3.
  - (a) Which material is used for making plugs, switches?
  - (b) Name the plastic used for making non-stick pans.
  - (c) Give one reason to support the use of teflon in non-stick pans.
4. Give examples, which indicate that nylon fibres are very strong
5. Name the plastic whose sheets are used for packing liquids.
6. How is artificial silk made?
7. Why nylon is used for making parachutes?
8. Can bacteria break down plastics?
9. Write any three important properties and uses of nylon.
10. Give the characteristic properties and important uses of the following
  - (i). Polythene
  - (ii). Polystyrene
  - (iii). Teflon