

SUBJECT : SCIENCE

SHIFT I

Class:VI

Chapter :separation of components.

- 1.How will you separate sand and water from their mixture ?
- 2 How would you obtain clear water from a sample of muddy water?

Class:VII

Chapter :soil.

- 1.Write the importance of soil as a natural resource.
- 2.Draw the picture of soil profile.
- 3.Classify different types of soil and mention their uses

Class :VIII

Chapter:coal and petroleum

- 1 Make a list of various materials used by us in daily life and classify them as natural and manmade.
- 2 Draw a picture which shows the deposit of petroleum and natural gas.

CLASS : IX

SUBJECT : PHYSICS

1. What do you understand by the term energy ?
2. Which are the different forms of energy?
3. Find out the energy transformation that take place in 5 different processes.
4. Explain how electrical energy is produced in Hydroelectrical station.
5. What is conservation of energy?

CHEMISTRY

Read NCERT textbook & answer the following:

1. Name the scientist who proposed that matter is composed of atoms
2. Name the scientist who proved that atom has a central positively charged nucleus.
- 3.How do you explain the structure of atom?
4. Explain the distribution of electron in an atom?

BIOLOGY

1. Make a file report of any one disease that you suffered.

Class :X

Chapter : Reproduction.

1. Write the importance of reproduction in organisms.
2. Tabulate the differences between asexual and sexual reproduction in organisms
3. Mention the different types of asexual reproduction in organisms with sketches.
4. What is pollination? Draw diagram showing self and cross pollination.
5. Name the reproductive part of a plant. Draw and label parts.
6. What do you know about a seed? Draw the section of a germinating seed and label its parts.

SHIFT II

Class:VI

- 1) Find out examples from our daily life to illustrate reversible and irreversible changes.
- 2) How will you separate sand and water from the mixture?
- 3) How do you obtain clear water from a sample of muddy water?

Class :VIII

NCERT Questions from the chapters

- 1) Chemical effects of electric current
- 2) Friction
- 3) Visit a local doctor. Learn about the harmful effects of smoking
- 4) Measure the breathing rate of the members of your family and some of your friends.
- 5) Prepare a chart showing human respiratory organs.

CLASS : IX

- 1) Write a short note on 'Mangalyan'.
- 2) Prepare a model of sodium atom.
- 3) What are the advantages of classifying organisms?

- 4)How would you choose between two characteristics to be used for developing a hierarchy in classification?
- 5)Explain the basis for grouping organisms in to five kingdoms?
- 6)What are the major divisions in the plantae?
- 7)How are the criteria for deciding divisions in plants different from the criteria for deciding the sub groups among animals?
- 8)Explain how animals in vertebrata are classified in to further subgroups?
- 9)NCSC Topic-Understanding weather and climate
- 10)Prepare a chart showing 4 different plants and 4 different animals from the topic “diversity in living organisms”

Class :X

Prepare a brief note on any 5 communicable diseases .Points to be highlighted

- a)Causal Agent
- b)Symptoms
- c)Remedies