

DELHI PUBLIC SCHOOL JAMMU

SESSION 2024-25

MONTH : OCTOBER

ASSIGNMENT III

CLASS : VIII

SUBJECT: SCIENCE

TOPIC : COAL AND PETROLEUM

Q1. Coal is processed in industries to get useful products. Which one of the following products is not obtained from coal?

- a) Ammonical liquor b) Naphthalene balls c) CNG d) Coke.

Q2. Assertion (A): Coal is known as fossil fuel.

Reason (R): Coal is formed from the remains of dead plants and animals buried deep under the earth's crust over million of years.

- a) Both A and R are true, and R is the correct explanation of A.
b) Both A and R are true, but R is not the correct explanation of A.
c) A is true, but R is false.
d) A is false, but R is true.

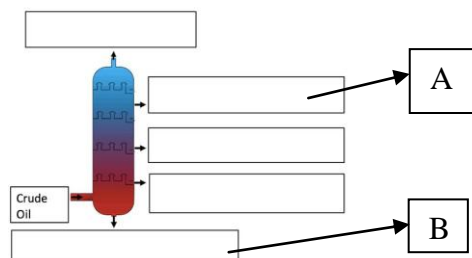
Q3. What are the advantages of opting for CNG ?

Q4. What are the limitations of fossil fuel?

Q5. a) What is refining of petroleum?

b) Write about any two constituents of petroleum and their uses.

Q6. Observe the diagram and answer the question:



a) Name the process being depicted in the given diagram. Label A & B.

b) Name and give uses of any two products obtained in the process depicted in the diagram given.

Q7. Read the following paragraph and answer the questions that follows:

Since coal and Petroleum have been formed from plant and animal material, therefore, in addition to carbon and hydrogen, they also contain nitrogen and sulphur elements. When coal and Petroleum based fuels are burnt, products of combustion are: Carbon dioxide, water, Sulphur dioxide and Nitrogen oxides. And if combustion takes place in an insufficient supply of air then some Carbon monoxide is also produced. Out of all the products of combustion of these fuels, only water is harmless and does not affect the environment. Sulphur dioxide also dissolves in rain water making it acidic.

- a) When complete combustion of coal and Petroleum takes place, what are the products formed?
b) Define acid rain.
c) Why should we use fossil fuels judiciously?

Q8. The conservation of fossil fuel is today's demand, but wasn't a few hundred years ago. Why?