

CLASS VIII
G. SCIENCE
SUMMATIVE ASSESSMENT NO. – 1
COAL & PETROLEUM
Assignment No. 8

Q.1 Fill in the blanks:-

- (i) On heating in air, coal mainly produces _____ gas.
- (ii) _____ is an almost pure form of carbon.
- (iii) Coal tar is a mixture of about _____ substance..
- (iv) Now a days _____, a petroleum product is used in place of _____ for metal lining the roads.
- (v) _____ is used as a fuel in light automobiles whereas heavy motor vehicles run on _____.

Q.2 Multiple choice questions (Choose the correct option)

- (A) Renewable resources need to be conserved because
 - (a) We are using them faster than they are replenished by nature.
 - (b) They are slowly disappearing from the earth.
 - (c) If we overuse them nature will stop replacing them.
 - (d) All of these
- (B) Coal mainly contains
 - (a) Carbon (b) Carbon & Hydrogen (c) Carbon, Hydrogen & Nitrogen (d) Carbon, Nitrogen & Oxygen
- (C) Which of these is not a natural source of energy?
 - (a) Coal (b) Petroleum (c) Electricity (d) Sun
- (D) Fossil Fuels are
 - (a) renewable but exhaustible (b) renewable but inexhaustible (c) Non renewable but can be recycled (d) Non renewable and can not be recycled
- (E) Which of these is not a fossil fuel?
 - (a) CNG (b) LPG (c) Petrol (d) hydrogen

Q.3 What are natural resources?

Q.4 Give three examples of natural and man-made material?

Q.5 What are the two kinds of natural resources? Explain giving examples?

Q.6 What are fossil fuels? Give three examples?

Q.7 Write two uses of coke?

Q.8 Name four substances which are manufactured using products obtained from coal tar?

- Q.9 How is petroleum formed?
- Q.10 name three places in India where petroleum oil is found.
- Q.11 (a) What is petroleum refining?
(b) What is the main purpose of petroleum refining?
(c) While refining petroleum which property is used to separate petroleum into its various fractions.
- Q.12 Write two uses of petrol, kerosene, diesel, paraffin wax and bitumen?
- Q.13 Why is CNG being used as a fuel for vehicles?
- Q.14 Explain why should we use fossil fuels only when absolutely necessary.
- Q.15 What is the full form of LPG and CNG?
- Q.16 What are the tips given by PCRA to save petrol and diesel?
- Q.17 Why is petroleum called black gold?
- Q.18 Give two advantages of natural gas as a fuel.
- Q.19 Explain why coal, petrol and diesel oil will be exhausted one day.
- Q.20 Write any two ways in which we can conserve fossil fuels.
- Q.21 Write three ways in which we can help to meet energy crisis.
- Q.22 Why are petrol, coal called non-renewable resources?
- Q.23 What are the advantages of using inexhaustible resources of energy?
- Q.24 Write the composition of natural gas.

HOTS QUESTIONS

- Q.1 Find out why the layer of petroleum and gas is found above that of water deep inside the earth's crust.
- Q.2 Why is burning of fossil fuels linked to global warming?
- Q.3 All renewable resources are inexhaustible. Do you agree? Give reasons.
- Q.4 All combustible substances are not fuels. Why?
- Q.5 Why do we feel the need for conservation of resources more today than are ancestors did?
- Q.6 List five things that you can do to help in preventing an energy crisis.