

परमाणु ऊर्जा शिक्षण संस्था, मुंबई

Atomic Energy Education Society

Session: 2023 – 24

CLASS- VIII

SUBJECT : SCIENCE

WORKSHEET No. – 3

Name of the Chapter: **Coal and Petroleum**

I. Choose the correct option:- (1 x 10 = 10M)

1. When coal burns in the air :

- (a) Carbon dioxide is formed (b) Sulphur dioxide is formed
(c) Carbon trioxide is formed (d) Hydrogen gas is formed

2. PCRA stands for :

- (a) Public Conservation Research Association
(b) Petroleum Conservation Research Association
(c) Public Council of Research Association
(d) Partial Counting of Remaining Amendment.

3. Which is not an exhaustible natural resource?

- (a) Sunlight (b) Petroleum (c) Natural gas (d) Wildlife

4. _____ is a black, tough and porous substance.

- (a) Coal tar (b) Coal Gas (c) Coke (d) Diesel

5. Which is not a constituent of petroleum?

- (a) Petrol (b) Diesel (c) Coal tar (d) Bitumen

6. The World's first oil well was drilled in _____.

- (a) USSR (b) USA (c) India (d) UK

7. _____ was used for street lighting for the first time in London.

- (a) Coke (b) Coal-tar (c) Coal gas (d) Petrol

8. Coal-tar contains about _____ substances.

- (a) 400 (b) 300 (c) 100 (d) 200

9. Least polluting fuel for vehicles is _____

- (a) Petrol (b) Kerosene (c) Diesel (d) CNG

10. Burning of coal in a closed room will produce _____

- (a) Carbon monoxide (b) Carbon dioxide (c) Oxygen (d) Nitrogen Oxide

II Answer in one sentence. (1 x 10 = 10M)

1. Name two fractions of petroleum which are used as fuel.
2. What are Petrochemicals?
3. Why is petroleum called black gold?
4. Name the places where natural gas is found in our country.
5. What is coke? How is it formed?
6. What are fossil fuels?
7. Name some useful products obtained from coal when it is processed in industry.
8. What happens when coal is heated in air?
9. What is the full form of CNG? Why is it considered to be a better fuel than petrol?
10. Define carbonization.

III Answer in two to three sentences. (2 x 10 = 20M)

1. Write the characteristics and important uses of coal.
2. What do you mean by refining of petroleum?
3. What do you mean by fossil fuels?
4. We say fossil fuels will last only for a few hundred years, comment.
5. Where and when was the first oil well drilled? (i) in world and (ii) in India?
6. What are natural resources? Explain with examples.
7. How are the natural resources classified on the basis of their availability.
8. What are inexhaustible natural resources? Explain with example.
9. What are exhaustible natural resources? Explain with example.
10. What are uses of coal tar?

III Answer in three to four sentences. (3 x 5 = 15M)

1. State difference between coke, coal tar and coal gas?
2. What is petroleum? Why is it called black gold?
3. a) What do you mean by petroleum refinery?
b) Why is natural gas called a very important fossil fuel in these days?
4. Why is CNG called a clean fuel?
5. What are the harmful effects of using fossil fuels?

III Answer the following. (5 x 5 = 25M)

1. List various constituents of petroleum and their uses.
2. What do you understand by the statement that "the known reserves of these will last only few hundred years"?
3. What is PCRA? What are their tips?
4. a. What will happen if all coal and petroleum reserves are depleted?
b. What can be done by you to prevent depletion of coal and petroleum?
c. What are petrochemicals? What are their uses
5. Draw a line diagram to show position of layers of natural gas and petroleum deposits.