

Coal

A. Choose the correct answer:

1. Coal is formed from the remains of:
a) Animals
b) Dinosaurs
c) Plants
d) Insects
2. Which of the following is NOT a product obtained from coal?
a) Coke
b) Coal tar
c) Petroleum
d) Coal gas
3. The process of formation of coal from dead plant matter is called:
a) Carbonation
b) Fossilization
c) Coalification
d) Carbonization

B. Fill in the Blanks:

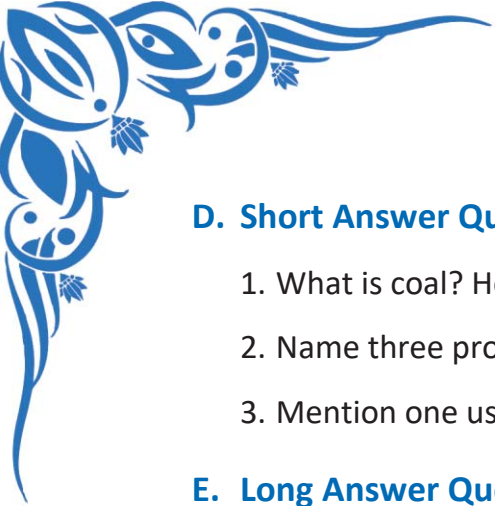
1. _____ is a hard, porous substance used as a fuel and obtained from coal.
2. Coal is a _____ source of energy, meaning it will eventually run out.
3. _____ is a black, thick liquid obtained from coal and used in making medicines, dyes, and paints.

C. Case Study:

In a science exhibition, Ravi displayed a working model showing how coal is mined and processed. He explained that coal was formed millions of years ago from dead vegetation buried under the earth. He also showed how coke, coal tar, and coal gas are obtained from coal and their various uses.

Case Study Questions:

1. What was Ravi's model demonstrating?
2. How is coal formed over time?
3. Name two products obtained from coal and mention one use of each.
4. Why is coal considered a non-renewable source of energy?



D. Short Answer Questions:

1. What is coal? How is it formed?
2. Name three products obtained from coal.
3. Mention one use each of coke, coal tar, and coal gas.

E. Long Answer Questions:

1. Explain the formation of coal and describe the process of carbonization.
2. Discuss the various products obtained from coal and their uses in daily life and industries.
3. Why should we use coal wisely? What are the harmful effects of using coal on the environment?