

Chemistry Worksheets Class 8 on Chapter 5 Coal and Petroleum - Set 3

Q-1: Which of the following gases is not emitted when fossil fuels are burned?

- a) SO_2
- b) CO_2
- c) O_2
- d) NO_2

Q-2: Identify the following:

- a) A least polluting fuel for vehicles.
- b) A constituent of petroleum used in vaseline.
- c) A fuel obtained from the dead remains of vegetation.
- d) A coal useful product obtained during the manufacturing of coke from coal.
- e) A fossil fuel obtained from the organisms living in the sea.

Q-3: Which of the following fuels has the highest calorific value?

- a) Solid Fuels
- b) Liquid Fuels
- c) Gaseous Fuels
- d) All of the above

Q-4: Which method is used to manufacture coal-based products that are useful?

- a) Winding
- b) Centrifugation
- c) Destructive Distillation
- d) Chromatography

Q-5: The petroleum product which is not used as a fuel is

- a) Petrol
- b) Kerosene
- c) Diesel
- d) Lubricating oil

Q-6: How does energy benefit us? Explain.

Q-7: Fill in the blanks:

- a) Bitumen is a _____ product.
- b) Limestone is a _____ resource.
- c) Carboniferous age is the time period required to complete the process of _____.

- d) Fuel is burned to produce _____.
- e) The major components of LPG are _____ and _____.

Q-8: What do you mean when you say refining and petroleum refinery?

Q-9: Why is coal also referred to as a fossil fuel?

Q-10: Match the items in column I with the appropriate items in column II.

Column I	Column II
P) Anthracite	i) Acrylic manufacturing
Q) Oil Refinery	ii) Fuel for barbeque grills
R) Solar energy	iii) 60-80% carbon content
S) LPG	iv) Mumbai
T) Petrochemicals	v) Renewable Resource
U) Bituminous	vi) 98% carbon content

Q-11: Discover the locations of India's major thermal power plants. What could be the reasons for their presence in those locations?

Q-12: Can forests aid in the reduction of pollution caused by the use of fossil fuels? If so, how?

Q-13: Indicate whether the following statements are true or false.

- a) Naphthalene balls are obtained from coal gas.
- b) Petroleum is immiscible in water.
- c) Nowadays, coal gas is used as a source of heat.
- d) Petrol is used as a fuel for electric generators.
- e) Coal Tar is a dark oily liquid.

Q-14: Which of the following is not a gaseous fuel?

- a) Coal gas
- b) Coal Tar
- c) Acetylene
- d) Kerosene

Q-15: Explain the carbonisation process in the formation of coal.

Q-16: Ethyl Mercaptan is added to LPG before it leaves the main storage terminals to alert you to

- a) Leakage
- b) Burning
- c) Gas stove lid open
- d) Less available gas

Q-17: Black gold is _____.

- a) A type of gold that turns black when burned.
- b) 18-carat gold
- c) Petroleum
- d) Gold sold on the black market.

Q-18: Which of the following energy sources is not renewable?

- a) Water
- b) Oil
- c) Wind
- d) Sun

Q-19: Name two products derived from the destructive distillation of coal. What is the byproduct of this process? Give one main application for this residue.

Q-20: Shyam prefers to use a carpool to get to college. In other instances, he prefers to use public transportation over his own vehicle.

- (a) What advantages do carpooling offer?
- (a) Which mode of transportation do you believe is most effective for short distances?
- (c) What steps can we take to cut back on our own use of fossil fuels?
- (d) What Shyam values are displayed here?