

Coal and Petroleum

Application Based Questions

Q.1. Fill in the blanks:

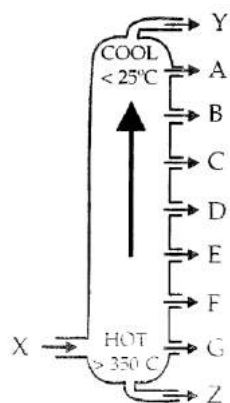
1. Complete the paragraph about greenhouse effect by using appropriate words / term-is from the given list.

Polar, Low lying, Coal, Burnt, Increasing, Photosynthesis, Traps

The amount of carbon dioxide in the atmosphere is It is because more fossil fuels like oil and natural gas are being which produces carbon dioxide. Forests are also being cut down so there are less plant to use up the carbon dioxide in This extra carbon-dioxide the heat from the sun and increase' the temperature. The result could be that the ice-caps would melt which would result in flooding of areas near the sea.

Q.2. Subjective questions:

1. The figure shows fractional distillation of petroleum. Study the given figure and answer the following questions.
 - (a) Label X, V, Z and A, B, C, D, E, F and G, in the figure itself.
 - (b) 'Y' is a mixture of which gases. Write their chemical formula.
 - (c) Which fraction of petroleum is solid?



Ans.

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2. What happens when carbon burns in air? Write the chemical equation of the reaction that takes place.

Ans.

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3. (a) Explain the origin of coal and petroleum?
(b) What is the other name for petroleum?

Ans.

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4. How destructive distillation different from fractional distillation?

Ans.

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5. (a) What is the constituent of LPG?
(b) What will be produced after passing steam ($C + H_2O$) over red hot coke?

Ans.
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6. (a) Which property is not a characteristic of a good fuel - High ignition temperature or high calorific value?
(b) Producer gas is not a good fuel. Why?

Ans.
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