

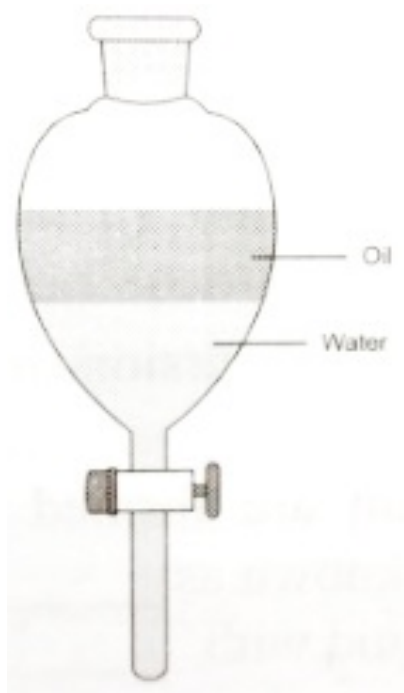
**CBSE Class 8 Science**  
**NCERT Exemplar Solutions**  
**CHAPTER 5**  
**Coal and Petroleum**

**VERY SHORT ANSWER QUESTIONS**

**13. You are provided with a mixture of petroleum and water. Can you suggest a method to separate the two?**

**Ans.** Petroleum and water are two immiscible liquids. As hence they can be easily separated by using a separating funnel. Oil due to its lower density than water floats over water.

So, pour the mixture of water and petroleum into a separating funnel and leave it untouched for a while. Soon both the layers will get distinguished. Open the tap of funnel and allow the water to get out of the funnel. The two liquids are now separate.



**14. What does CNG stand for and why is it considered to be a better fuel than petrol?**

**Ans.** CNG stands for Compressed Natural Gas. It is considered to be a better fuel because it creates less pollution on heating or burning..

**15. Name the petroleum product used as fuel for stoves, lamps and jet aircrafts.**

**Ans.** Kerosene is used as fuel for stoves, lamps and jet aircrafts.

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**16. Fill in the blanks in the following sentences.**

- (a) Coal is one of the \_\_\_\_\_ used to cook food.
- (b) When heated in air, coal burns and produces mainly \_\_\_\_\_ gas.
- (c) Coal tar is a black, thick \_\_\_\_\_ with an \_\_\_\_\_ smell.
- (d) Petroleum, \_\_\_\_\_ and \_\_\_\_\_ are fossil fuels.
- (e) Forests and coal are \_\_\_\_\_ natural resources.

**Ans.** (a) fuels

(b) carbon dioxide

(c) liquid, unpleasant

(d) coal, natural gas

(e) exhaustible

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**17. The underlined words in the following sentences have been jumbled up. Write them in their correct form.**

- (a) Loca is obtained from mines.
- (b) Umpetlore is a fossil fuel.
- (c) Rineryfe is a place where various fractions of peroleum are separated.
- (d) Keenrose is a fuel used in jet crafts.
- (e) Nutsgilh is an example of inexhaustible natural resources.

**Ans.** (a) coal (b) petroleum (c) refinery (d) kerosene (e) sunlight

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**18. Fill in the blanks.**

- (a) The slow process of conversion of dead vegetation into coal is called\_\_\_\_\_.

- (b) Coal and petroleum are formed from the dead remains of organisms and are known as \_\_\_\_\_.
- (c) The black thick liquid with \_\_\_\_\_ smell is known as coal tar.
- (d) During the processing of coal to get coke, coal tar and \_\_\_\_\_ are also obtained.
- (e) The process of separating the various constituents of petroleum is known as \_\_\_\_.
- (f) Excessive burning of fossil fuels is a major cause of \_\_\_\_\_.

**Ans.** (a) carbonisation, (b) fossil fuels, (c) unpleasant, (d) coal gas, (e) refining, (f) air pollution.

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**19. Write True/False against the following statements.**

- (a) Oxygen in air is an exhaustible natural resource.
- (b) Resources which are present in unlimited quantity in nature are called exhaustible natural resources.
- (c) Wildlife is an exhaustible natural resource.
- (d) Under high temperature and pressure, dead plants get slowly converted to coal.
- (e) CNG is less polluting fuel than petrol and diesel.

**Ans.** (a) False, (b) False, (c) True, (d) True, (e) True.