

DELHI PUBLIC SCHOOL, MIYAPUR

Chemistry

9. Which of the following gases are not released when fuels are burnt?

- ☐ (a) Sulphur dioxide
- ☐ (b) Carbon monoxide
- ☐ (c) Oxides of nitrogen
- ☒ (d) Magnesium oxide

Clear selection

10. Siddharth has noticed the rain water that gathered in his backyard are having pungent smell, he checked the pH of the water is 5.6. Can you identify the phenomenon?

(Please see the given picture as your reference to answer the question).



- ☐ (a) Water pollution
- ☐ (b) Rain water harvesting
- ☒ (c) Acid Rain
- ☐ (d) Climate change

Clear selection

11. Which one of the below fuels are most efficient?

	Fuels	Calorific value (kJ/Kg)
A	Animal Dung	6000
B	Coal	25000
C	LPG	55000
D	Charcoal	29600

- ☐ (a) A
- ☐ (b) B
- ☒ (c) C
- ☐ (d) D

Clear selection

12. John has read the report of a family that died due to asphyxiation as they slept in a closed room, with a fireplace. The reason is _____

- ☒ (a).Carbon monoxide is formed; it has more affinity to combine with Haemoglobin than that of oxygen.
- ☐ (b).Carbon monoxide is formed; it has less affinity to combine with Haemoglobin than that of oxygen.
- ☐ (c).Carbon dioxide is formed; it has more affinity to combine with Haemoglobin than that of oxygen.
- ☐ (d).Carbon dioxide is formed; it has less affinity to combine with Haemoglobin than that of oxygen.

Clear selection



13. See the below equation-identify the right option

Sodium bicarbonate + Sulphuric acid = Sodium sulphate + Water + Carbon dioxide

- ☐ (a) This reaction happens in all types of carbon dioxide fire extinguishers.
- ☒ (b) This reaction happens in Soda-acid fire extinguisher
- ☐ (c) This reaction happens in burning of a fuel
- ☐ (d) None of the above

Clear selection

14. Bituminous is known as

- ☐ (a) Brown lignite
- ☐ (b) White lignite
- ☒ (c) Black lignite
- ☐ (d) Blue lignite

Clear selection

15. We can reduce our need for fossil fuels by developing

- ☐ (a) New oil sources.
- ☐ (b) Natural gas lines.
- ☐ (c) Gasoline powered cars.
- ☒ (d) Alternative energy sources

Clear selection



16. The below picture is taken in Kimpese, Democratic Republic of the Congo, the next one is a satellite picture of the same practice. A similar practice is seen in tribal groups in the north-eastern Indian states of Tripura, Arunachal Pradesh, Meghalaya, Mizoram and Nagaland and the Bangladeshi districts of Rangamati, Khagrachari, Bandarban and Sylhet referred as jhum or jhoom cultivation. The system involves clearing land, by fire or clear-felling, for economically-important crops such as upland rice, vegetables or fruits. After a few cycles, the land's fertility declines and a new area is chosen. Can you name this?



- ☐ A. Overgrazing
- ☐ B. Forest fire
- ☐ C. Deforestation
- ☒ D. Slash and burn cultivation

Clear selection

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