



CHEMISTRY

NCERT - NCERT Chemistry(Telugu)

COAL AND PETROLEUM

Improve Your Learning Reflection On Concepts

1. Draw the diagram of uses of coal and its products (AS_5)



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2. Explain why petroleum is also called as liquid gold.



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3. Name the petrochemical products which are used in agriculture industry.



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4. Explain the process of formation of petrol.



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5. Why should people look for alternative sources of fossil fuel?



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Improve Your Learning Application Of Concepts

1. Name the petroleum products used for roads surfacing.



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2. What will happen if fossil fuels like coal and petroleum are completely exhausted?



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3. Collect information about places where we get coal, petroleum and natural gas in India and mark the places on outline map of India. (AS_5)



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4. Assume that you are a driver, what measures do you take to save petrol and diesel?



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5. How do you appreciate the efforts of human beings to discover an alternate energy sources to coal and petroleum for their daily use?



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6. Can you suggest alternate ways to save the fuel resources?



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Improve Your Learning Higher Order Thinking Questions

1. How is biodiversity affected by excessive use of fossil fuels?



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2. "Crude oil and refined fuel when spills into the sea from tanker of ships by accident". Discuss the consequences of this on environment.



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Multiple Choice Questions

1. Which one of the following is less polluting fuel?

A. Natural gas

B. coal gas

C. Kerosene

D. Petrol

Answer:



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2. The main constituent of coal is

A. Carbon

B. Oxygen

C. Air

D. Water

Answer:



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3. Which one of the following materials is used for making shoe polish ?

A. Paraffinwax

B. Petrol

C. Diesel

D. Lubricating oil

Answer:



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4. Which of the following is not a fossil fuel

- A. Coal
- B. Petroleum
- C. Charcoal
- D. Natural gas

Answer:



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5. Which of the following is known as liquid gold ?

- A. Kerosene
- B. Diesel
- C. Petroleum

D. Paraffinwax

Answer:



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Improve Your Learning

1. Complete the given analogy

Coal :Exhaustible::____:Inexhaustible



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2. Complete the given analogy

Coal tar: __::Coke: Manufacture of steel



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3. Complete the given analogy (AS_1)

Petrochemical : Plastic :: CNG : _____

A. polythene

B. cotton

C. jute

D. other

Answer:



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4. Complete the given analogy

Carbon Dioxide:Global warming::_____:Nausea



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5. Match the following (AS_1)

- | | | |
|------------------------------------|-------|--------------------------------------|
| <i>i.</i> natural resource | [] | <i>a.</i> carbonization |
| <i>ii.</i> coal | [] | <i>b.</i> Plastic chair |
| <i>iii.</i> Petro Chemical product | [] | <i>c.</i> Krishna and godavari delta |
| <i>iv</i> natural gas | [] | <i>d.</i> Plankton |
| <i>v.</i> Petroleum | [] | <i>e.</i> Water |



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6. Which one of the following is less polluting fuel?

A. Natural gas

B. coal

C. kerosene

D. petrol

Answer:



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7. The main constituent of coal is

A. Carbon.

B. oxygen

C. air

D. water

Answer:



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8. Which one of the following materials is used for making shoe polish ?

A. Paraffin wax

B. petrol.

C. diesel

D. lubricating oil

Answer:



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9. Was used in manufacture of steel?



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10. Fill in the blanks.

The biproduct of coal used in synthetic dyes and paints is.....



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11. Fill in the blanks.

Coal was formed in areas where large amounts of.....was buried under the earth.



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12. Fill in the blanks.

.....gas which causes climate change and global warming.



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13. Why should people look for alternative sources of fossil fuel?



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14. Harshith said to his father, "Daddy we can save more fuel by using bicycle instead of bike for going to nearby places". How do you appreciate Harshith's comment?



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15. Draw a flow chart showing Exhaustible and Inexhaustible resources and their uses.



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16. Assume that you are a driver, what measures do you take to save petrol and diesel?



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17. "Crude oil and refined fuel when spills into the sea from tanker of ships by accident". Discuss the consequences of this on environment.



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18. Compare a CNG run vehicle with that of a diesel run vehicle. What difference do you notice in both cases with respect to pollutants

released, level of pollution and cost of fuel.



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19. Choose five families of your neighbourhood, collect the information about the measures that they adopt to conserve energy resources in transport and cooking. Make a report on your observation.



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20. Collect information about places where we get coal, petroleum and natural gas in India and mark the places on outline map of India. (AS_5)



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21. The following table shows the total power shortage percentage in India from 1991-1997. Show the data in the form of a Bar graph taking

shortage percentage for the years on the Y-axis and the years on X-axis.

S.No.	Year	
1.	1991	7.9
2.	1992	7.8
3.	1993	8.3
4.	1994	7.4
5.	1995	7.1
6.	1996	9.2
7.	1997	11.5



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22. The following table shows the total power shortage percentage in India from 1991-1997. Show the data in the form of a Bar graph taking shortage percentage for the years on the Y-axis and the years on X-axis.

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23. "The use of CNG and LPG as fuels for automobiles helps us to minimize air pollution and maintains ecological balance." Do you agree with this statement ? If yes, explain.



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24. Name the petroleum products used for roads surfacing.



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25. Explain the process of formation of petrol.



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26. How do you appreciate the efforts of human beings to discover an alternate energy sources to coal and petroleum for their daily use?



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