



PHYSICS

BOOKS - MBD NCERT SOLUTIONS

IMPORTANT TERMS AND FACTS TO MEMORISE

Multiple Choice Questions

1. Which gas cannot be used as a fuel ?

A. C.N.G.

B. L.P.G.

C. Oxygen

D. Hydrogen

Answer: C



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2. Which energy is freely available in ample amount ?

A. Sunlight

B. Water gas

C. Hydrogen

D. None

Answer: A



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3. Infra-red rays are :

A. harmful to skin

B. bright red in colour

C. having more energy than ultraviolet rays

D. having less energy as compared to
ultraviolet rays

Answer: D



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4. Gobar gas is :

A. Foul smelling gas

B. sweet smelling gas

C. having high calorific value

D. useless

Answer: C



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5. Spent slurry produced after producing gobar gas is :

A. useless residue

B. used as a fuel after drying it

C. used as manure

D. used as food by animals

Answer: C



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6. Biogas is produced from bio-matter by :

A. anaerobic fermentation

B. destructive distillation

C. fractional distillation

D. mixing petrol in bio-matter

Answer: A



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7. Which of the following is the non conventional source of energy

A. Fossil fuel

B. Solar energy

C. Hydropower

D. Thermal Power

Answer: D



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8. Which of the following is not an example of a biomass energy source ?

A. Wood

B. Gobar gas

C. Nuclear energy

D. Coal

Answer: C



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9. Which of the following gas is found maximum in biogas ?

A. Methane

B. Carbon dioxide

C. Hydrogen sulphide

D. Hydrogen

Answer: A



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Very Short Answer Type Questions

1. What is a fuel ?



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2. Name one gaseous fuel.



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3. What is the most important source of energy for us ?



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4. What is the value of solar constant ?



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5. Name a clean fuel.



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6. Why is biogas considered to be an ideal fuels ? Give four reasons.



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7. What is geothermal energy ?



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8. Give two examples of fuel used in houses.



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9. Which form of energy is converted into another form in a solar cell ?



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10. Define kinetic energy. Give some examples of bodies possessing kinetic energy.



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11. तरंगें कितने प्रकार कि होती हैं ? एक-एक उदाहरण दीजिये ।



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12. Write the full forms of the following

(a) LPG (b) CNG



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13. On which form of energy a glider depends upon for flying ?



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14. Name any two types of energy.



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15. What is potential energy ? Give examples of bodies possessing various forms of potential energy.



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16. Name two devices based on solar energy.



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17. gas is the main constituent of biogas.



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18. A solar cell converts solar energy into



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19. The oxides of carbon, Nitrogen and Sulphuric that are released on burning fossil fuels areoxides.





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20. A wind mills convertsenergy of wind into mechanical work.



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21. Artificial satellites use as the main source of energy.



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22. Hydro power plants convert the energy of falling water into electricity.



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Short Answer Type Questions

1. What is a good source of energy ?



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2. What are the properties of a good fuel ?



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3. What is a good fuel ?



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4. If you could use any source of energy for heating your food, which one would you use and why ?



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5. What are the disadvantages of fossil fuels ?



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6. Why are we looking at alternate sources of energy ?



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7. How has the traditional use of wind and water energy been modified for our

convenience ?



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8. What kind of mirror-concave, convex or plane-would be best suited for use in a solar cooker ? Why ?



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9. What are the limitations of energy that can be obtained from the oceans ?



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10. What is geothermal energy ?



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11. Name two energy sources that you would consider to be renewable. Give reasons for your choices.



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12. Define renewable or conventional sources of energy.



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13. Name two common varieties of coal.



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14. What is biogas ? How is it obtained ?



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15. Why is there a need to harness non-conventional sources of energy ? Give two main reasons.



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16. Define nuclear fission giving one example.



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17. What are the advantages of nuclear energy?



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18. What are the limitations of extracting energy from :

(a) the wind

(b) waves

(c) tides ?



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19. On what basis would you classify energy sources as :

(a) renewable and non-renewable ?

(b) exhaustible and inexhaustible ?

Are the options gives in (a) and (b) the same ?



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20. What are the disadvantages of using a solar cooker ? Are there places where solar cookers would have limited utility ?



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21. What are the environmental consequences of the increasing demand for energy ? What steps would you suggest to reduce energy consumption ?



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22. Hydrogen gas has high calorific value but it is not used as a domestic fuel. Why ?



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Long Answer Type Questions

1. What is L.P.G. ? Why is it called a good fuel ?



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2. Describe a solar cooker. Give its advantages.



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