



PHYSICS

NCERT - NCERT PHYSICS(HINGLISH)

SOURCES OF ENERGY

Exercise

1. What is good source of energy ?



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2. What is a good fuel ?



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



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4. What are the disadvantages of fossil fuels ?



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



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6. How has the traditional use of wind and water energy been modified for our convenience ?



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



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



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9. What is geothermal energy ?



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10. What are the advantages of nuclear energy?



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11. Can any source of energy be pollution-free ?
Why or why not ?



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12. Hydrogen has been used as a rocket fuel.

Would you consider it a cleaner fuel *CNG* ?

Why or why not ?



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



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14. Give the names of two energy sources that you would consider to be exhaustible. Give reasons for your choices.



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15. A solar water heater cannot be used to get hot water on :

(a) a sunny day

(b) a cloudy day

(c) a hot day

(d) a windy day.

A. a sunny day

B. a cloudy day

C. a hot day

D. a windy day

Answer: A::B::C::D



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16. Which of the following is not an example of bio-mass energy source ?

(a) wood

(b) gobar gas

(c) atomic energy

(d) coal.

A. wood

B. gobar gas

C. nuclear energy

D. coal

Answer: A::C



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17. Most of the sources of energy we use represent stored solar energy. Which of the following is not ultimately derived from the Sun's energy ?

- (a) geothermal energy
- (b) wind energy
- (c) fossil fuels
- (d) bio-mass.

A. Geothermal energy

B. Wind energy

C. Nuclear energy

D. Bio-mass

Answer: A:C



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18. Compare and contrast fossil fuels and the sun as sources of energy.



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19. Compare and contrast bio-mass and hydro-electricity as sources of energy.



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20. What are the limitations of extracting energy from :

(a) the wind

(b) waves

(c) tides ?



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21. 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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22. What are the qualities on an ideal source of energy ?



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



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



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