

AMIT AJMANI'S ACADEMY

D-16/82, SECTOR-7, ROHINI

PH: 9810476588, 9953371470

X PHYSICS CLASS TEST

M.M.-30

Name of Student: _____ Class & Sub: _____

Topic of Test: SOURCES OF ENERGY NO. 1 Date: _____

1. State a few characteristics of a good source of energy. 2
 2. What are the disadvantages of fossil fuels? 2
 3. State limitations of extracting energy from the wind. 2
 4. What are the advantages and disadvantages of using a solar cooker? 3
 5. What is a fuel? Name one gaseous fossil fuel. 2
 6. Define solar constant. What is the value of solar constant on Earth? 2
 7. Name any two materials that are used for making solar cells. 1
 8. State a few uses of solar cells. 2
 9. What is tidal energy? 1
 10. What is the use of the slurry left behind in the digester of a bio-gas plant? 1
 11. What is the principle of solar cookers? Name two types of solar cookers. 2
 12. Why is tidal energy not likely to be potential source of energy? 1
 13. Mention advantages and disadvantages of producing hydro electricity by building dams on rivers. 4
 14. With the help of a diagram, explain the construction and working of a box type solar cooker. 3
 15. What prevents us in making use of solar cell panels to meet all our domestic needs of electricity? 2
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ANSWERS

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Name of Student: _____ Class & Sub: _____

Topic of Test: SOURCES OF ENERGY NO. 2 Date: _____

1. What kind of mirror-concave, convex or plain-would be best suited for use in a solar cooker? Why? 1
 2. What is geothermal energy? 1
 3. What are the advantages of nuclear energy? 1
 4. Why is use of wood as a fuel not advised, although forests can be replenished? 1
 5. What are solar cells? Briefly describe a silicon solar cell. 3
 6. What are the advantages of geothermal energy? 1
 7. What are the advantages of bio-gas over other traditional fuels? 2
 8. What are the main hazards of nuclear power generation? 2
 9. Name three forms in which energy from oceans is made available for use. What are OTEC power plants? How do they operate? 4
 10. State the advantages of obtaining bio-gas from animal dung and bio-wastes. 3
 11. Why dams made on rivers for generating electricity are criticized? 3
 12. Write a short note on green house effect. 2
 13. State the various limitations in using solar cells and other solar heating devices. 2
 14. Define renewable and non renewable sources of energy with 2 egs. of each. 3
 15. Name the main constituent of bio-gas. 1
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ANSWERS