

- _____ 21. The temperature at which a solid changes into a liquid is called
a. the boiling point. c. absolute zero.
b. the freezing point. d. the melting point.
- _____ 22. The total energy of all the particles in a substance is called
a. mass. c. temperature.
b. thermal energy. d. degrees.
- _____ 23. One common application of thermal expansion is
a. a thermometer. c. a toaster oven.
b. a microwave oven. d. a refrigerator.
- _____ 24. The amount of energy required to raise the temperature of 1 kilogram of a substance by 1 degree Celsius or Kelvin is called its
a. melting point. c. specific heat.
b. change of state. d. heat transfer.

Drag and Drop to put the steps of producing electricity in order:

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| 25. | High pressure steam is used to create mechanical energy by being used to spin a turbine. |
| 26. | Electricity is sent to customers. |
| 27. | Thermal energy is added to water to produce high pressure steam |
| 28. | The spinning generator makes electricity |
| 29. | A source of heat, like geothermal energy, nuclear energy or the burning of a fossil fuel releases thermal energy |
| 30. | The mechanical energy of the spinning turbine is transferred to a generator. |