

- _____ 31. In an internal combustion engine, each up or down movement by a piston is called a
- a. turn.
 - b. stroke.
 - c. combustion.
 - d. crank.
- _____ 32. The total energy of all the particles in a substance is called
- a. temperature.
 - b. thermal energy.
 - c. mass.
 - d. degrees.
- _____ 33. Vaporization that takes place only at the surface of a liquid is called
- a. condensation.
 - b. melting.
 - c. evaporation.
 - d. boiling.
- _____ 34. Heat transfer occurs
- a. only from cold objects to warmer ones.
 - b. only from warm objects to colder ones.
 - c. in many directions.
 - d. both from warm objects to colder ones and from cold objects to warmer ones.

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

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| 35. | The mechanical energy of the spinning turbine is transferred to a generator. |
| 36. | The spinning generator makes electricity |
| 37. | High pressure steam is used to create mechanical energy by being used to spin a turbine. |
| 38. | Electricity is sent to customers. |
| 39. | Thermal energy is added to water to produce high pressure steam |
| 40. | A source of heat, like geothermal energy, nuclear energy or the burning of a fossil fuel releases thermal energy |