

- \_\_\_\_\_ 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:

- |     |                                                                                                                  |
|-----|------------------------------------------------------------------------------------------------------------------|
| 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 |