

\_\_\_\_\_ 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