____ 21. The temperature at which a solid changes into a liquid is called
a. the boiling point.
b. the freezing point.
c. absolute zero.
d. the melting point.

____ 22. The total energy of all the particles in a substance is called
a. mass.
b. thermal energy.
c. temperature.
d. degrees.

____ 23. One common application of thermal expansion is
a. a thermometer.
b. a microwave oven.
c. a toaster 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.
b. change of state.
c. specific heat.
d. heat transfer.

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

25.

26.

27.

28.

29.

30.

High pressure steam is used to create mechanical energy by being used to spin a trubine.

Electricity is sent to customers.

Thermal energy is added to water to prduce high pressure steam

The spinning generator makes electricity

A souce of heat, like geothermal energy, nucler energy of the buring of a fossil fuel releases thermal energy

The mechanical energy of the spinning turbine is transfered to a generaor.

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