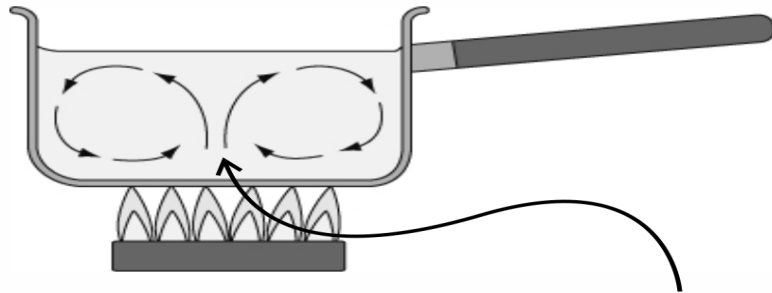


Heat Transfer

Draw lines to label the diagram of boiling water below.
Use the clue box to help you label each process!

Name _____

Date _____



A Particles gain energy from the hot pan and move faster.

CLUE BOX

A Particles gain energy from the hot pan and move faster.

B The heated water becomes less dense and rises.

C The cooler water sinks.

D The faster-moving particles take up more space.

E The vibrations are passed on to other particles.

F Particles gain energy and vibrate further about their fixed positions.

G Cool water moves in to take the place of the rising warm water.

H As the water transfers energy to the cooler water around it, it cools and becomes more dense.

I Water is pushed out of the way by the warmer water rising.

J Eventually even the particles furthest from the flames are vibrating more than they were.