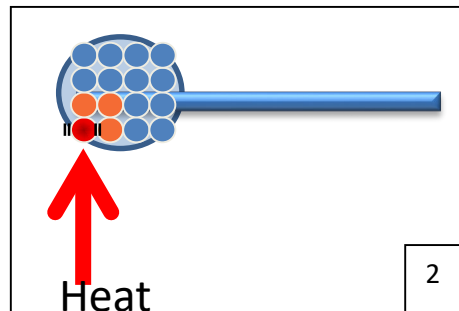


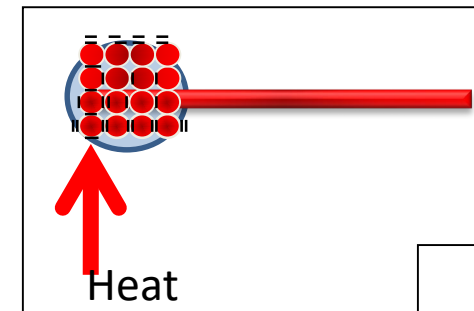
The rod is heated at one end.

1



2

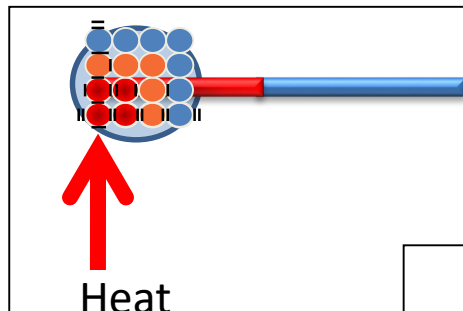
These particles knock the ones next to them, causing them to gain energy and heat up too



Heat

Conduction cannot happen in gases because the particles are too far apart. They are insulators

5



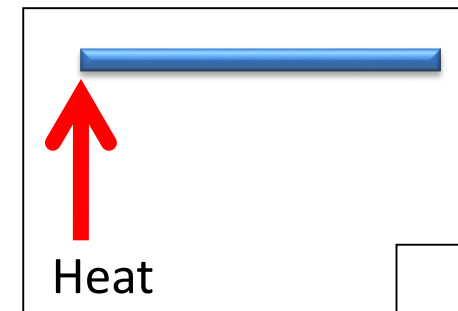
Heat

Conduction happens quickly in metals, for example in frying pans when cooking.



6

The heat travels from hot to cold. Eventually all the particles are hot and vibrating.



Heat

This causes the particles closest to the flame to start vibrating

