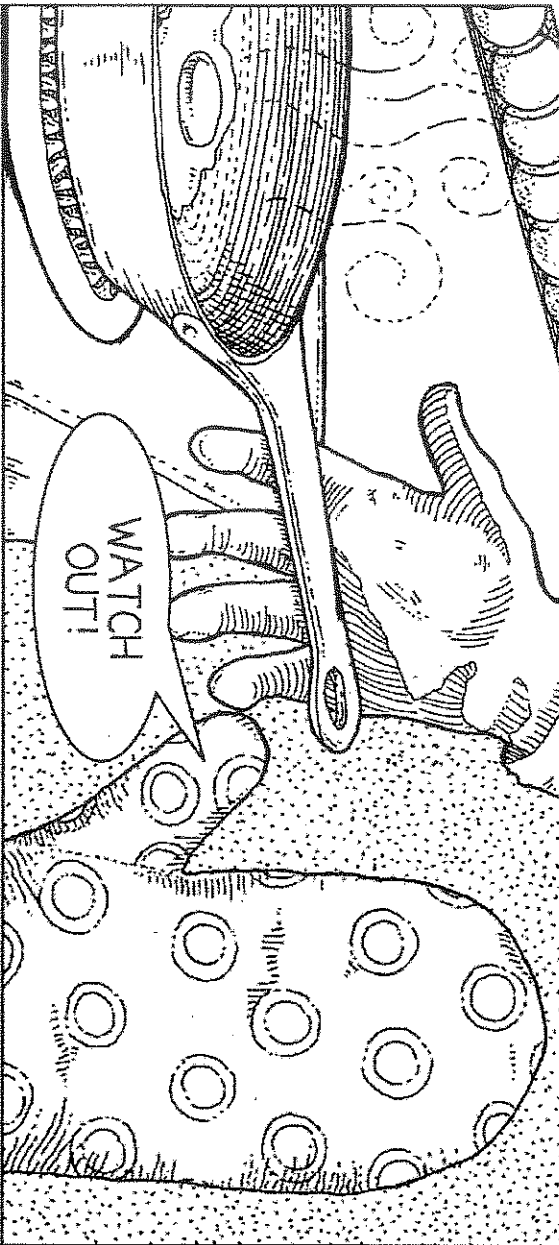


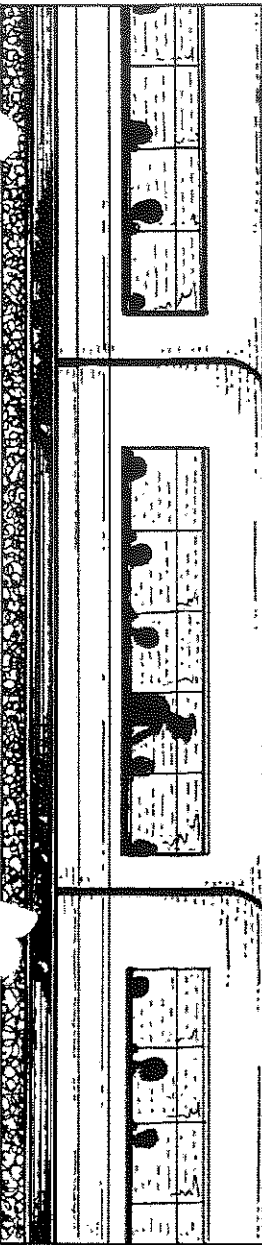
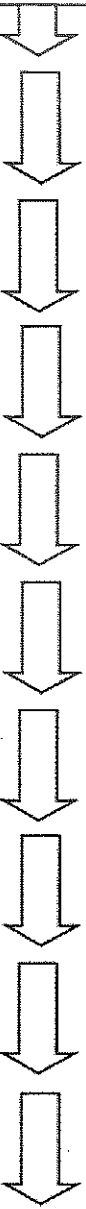
Conduction is the transfer of heat through matter by movement of kinetic energy from particle to particle.

# CONDUCTION

Conduction makes the kinetic energy in molecules heat up their neighboring molecules, like in the handle of this skillet. Yikes! It's hot



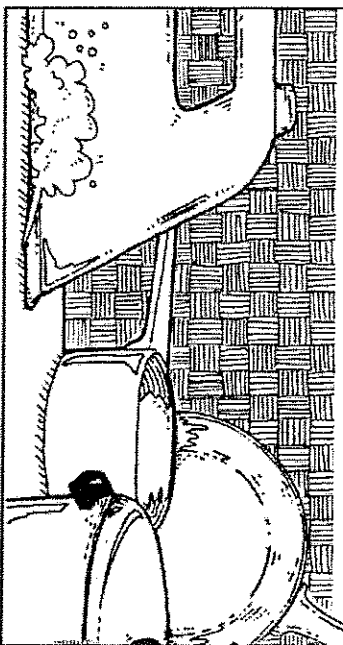
In conduction, kinetic energy moves from molecule to molecule in a material the same way a conductor moves from one car to the next in a train asking the passengers for their tickets. In conduction, one molecule heats up and becomes very active. It bumps into the next molecule in line and makes that molecule speed up. Little by little, the heat energy moves on through a material in this way.



Materials that allow heat energy to move through them efficiently are called conductors. The molecules in good conductors are typically close together, like in metals. Materials whose molecules are far apart are poor conductors

<p>GOOD CONDUCTOR</p>	<p>POOR CONDUCTOR</p>
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Because metals are great conductors, people use metals to make all kinds of objects that use heat to do things like cooking and ironing.



Materials that don't allow heat energy to pass through them well are called insulators. People use insulators to keep heat in or to keep heat out.

