

Heat Movers

Machines that use circulating _____ to move heat from one location to another are categorized as heat movers. Since this requires the input of energy, you can force heat to move from a region of _____ temperature to a region of _____ temperature.

This is the reverse of what happens naturally, when there isn't the input of energy into a system.

For example, the refrigerator moves excess heat from inside the refrigerator, to the outside in order to keep food _____. This is why if you were to put your hand to the side or underneath most refrigerators, you would feel _____.

In order for the refrigerator to work properly, the door of the refrigerator must be kept _____, so that there is a difference in temperature between the environment inside the refrigerator and the environment outside the refrigerator.

For this reason, it is impossible to cool a warm room by leaving the door of the refrigerator _____.

Other examples of heat movers are _____, _____ and _____.