

Temperature

- ❖ To describe hot objects getting colder in terms of heat going out of the object
- ❖ To describe hot objects getting colder in terms of heat energy being transferred to surroundings
- ❖ To describe the relationship between energy transferred and increase in temperature

Heat Transfer

When an object gets hotter, more heat energy is moving into the object than leaving it.

When an object gets colder, more heat energy is leaving the object than entering it.

Heat Transfer

Which direction is the heat moving?



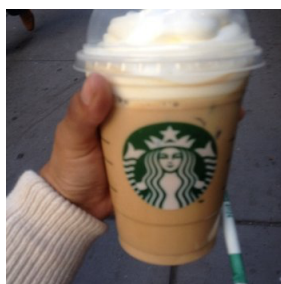
Heat Transfer

Heat moves;
from the hot drink to the cup
from the hot drink to the hands
from the hot drink to the air



Heat Transfer

Which direction is the heat moving?



Heat Transfer

Heat moves;
from the air to the cup
from the hand to the cup



cwk

Heat Transfer

date

Why doesn't the room cool down when we leave the fridge door open?



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Heat Transfer

date

Which transfers more energy;
Heating the ocean by 1 degree
or
Boiling a swimming pool?

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Heat Transfer

date

Extension: How are volume and heat energy linked?