

If 2 objects have different masses but are otherwise the same, the one with more mass has
_____.

If 2 objects have different temperatures but are otherwise the same, the warmer one has more thermal energy.

If the objects are different substances, you need more information.

Factors that determine amounts of thermal energy

1. Mass
2. Temperature
3. _____

Specific heat describes _____

2 important things about specific heat:

1. The greater the specific heat, the _____ thermal energy required to raise its temperature
2. The greater the specific heat, the _____ thermal energy it has compared to other materials with the same _____ and _____.

Water has a very _____ specific heat, which means it takes _____ of energy to heat water to boiling, but once it's hot, it will remain hot for _____. It is _____ for storing thermal energy.

Stop and Think 1-5 (will complete as class)

- 1.
- 2.
- 3.
- 4.
- 5.

3 Ways of Heat Transfer

	How it works	Ex.	Drawing
Conduction			
Convection			
Radiation			