EN____

SPECIFIC HEAT NOTES

Specific Heat (aka _____): energy required to _____

_____

- Substances with a high specific heat change temperature _____

  _____

  Ex._____

- Substances with a low specific heat change temperature _____

  _____

  Ex._____

Calculations involving specific heat:

$$Q = mC\Delta T$$

Ex. How much energy is required to warm 100g of water from 15°C to 95°C? (The specific heat of water is 4.184 Joules/g°C)

Ex. If 125 joules are added to 12g of water at 10°C, what will the final temperature be?