

## Chem 22.1

Goals: Introduce thermochemistry concepts, compare and contrast temperature with heat and how to find the specific heat of a substance

Bellwork:

- 1) Compare and contrast heat and temperature. Which is a flow of energy?
- 2) Reach into your wallet and find a slip of paper with a dead person's face on it

Plan:

- Demo: Dollar bill thermochemistry demo
- Definitions:
  - Thermochemistry
  - Heat
  - Specific Heat
  - Exothermic
  - Endothermic
- Comparing specific heats of water and alcohol (demo)
- Discussion: Why did the money not burn?
- Practice: specific heat calculations worksheet

## Chem 22.2

Goals: Review thermochemistry, define processes as exothermic or endothermic

Bellwork:

- 1) Name a reason why you would use a "cold pack"?
- 2) How do you think a cold pack would work if you didn't have a freezer?

Plan:

Review: exothermic and endothermic

Guided practice: writing equations to show exothermic and endothermic reactions

Kahoot review

HW: prelab

## Chem 22.3

Plan: exothermic and endothermic lab

See attached lab

HW: postlab questions