

This review is in MIXED ORDER. You will have to find the information in your notes, assignments, and text!

Understand the following terms to answer true/false statements		Deposition	Temperature
Energy	crystalline structure	contract	Expand
evaporative cooling	Electromagnetic radiation	sensors	Heat insulators
Condensation	Fusion	freezing point	melting point

Know the following devices, and how they work:

- Thermometer
- Thermocouple
- Bimetallic Strip
- Thermostat

Explain the difference between heat capacity and SPECIFIC heat capacity.

What do the following represent and when are they used?

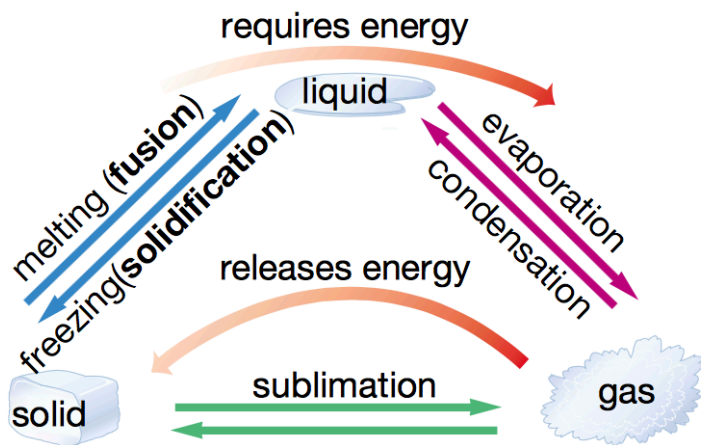
- Celsius scale.
- Fahrenheit scale.
- Thomson scale.
- Kelvin scale.

How do energy transfer systems work? What is the difference between convection and conduction? What is similar about convection and conduction?

What are the different types of energy? How are they converted to thermal energy?

Explain the particle model of matter. THEN:

Explain this model and know the terms that go with it (describing how particles behave within each category)



Describe cogeneration.

Explain 3 problems that would occur as a result of steadily increasing global temperatures.