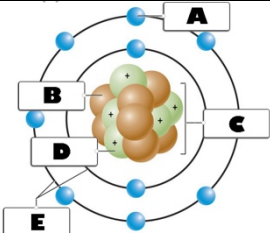
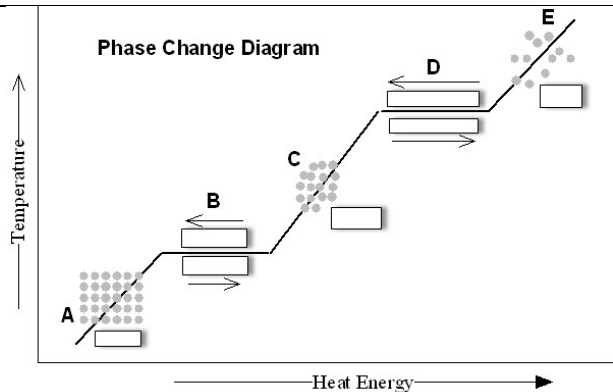
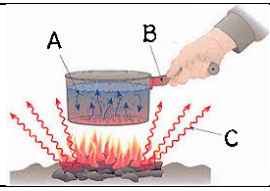


Matter Study Guide

This guide will help you know what pages to study from your binder for the 8.1 Matter final.

Concept	Details	Binder Pages
Scale of Atom	Space between nucleus and electrons Size of nucleus compared to electrons	21
Parts of an Atom	 Protons, Neutrons, Electrons, Nucleus, Orbitals	Back of 20
Atomic Theory	How has it changed? Can it still change? What happens if it does?	20
Atoms/Molecules	Atoms, elements, molecules, compounds	22
Physical Properties	Definitions and examples	26
Chemical Properties	Definitions and examples	26
Law of Conservation of Mass	Reactants → Products Atoms in reactants=Atoms in products Mass in reactants=Mass in products	33,34
Physical Changes	Definitions and examples	31
Chemical Changes	Definitions and examples	30,31
Phases of Matter	Solid, liquid, Gas- shape of container? Definite volume? Etc.	39,40
Phase Changes	Freezing, Melting, Boiling, Condensation, Deposition, Sublimation	39,40
Particle Motion & Energy	What happens to the speed of molecules when heat is added or subtracted What happens to the distance between molecules when heat is added or subtracted	38,39
Phase Change Graph	 Phase Change Diagram	41
Heat Transfer	 Convection, Conduction, Radiation (definitions and examples)	44,46
Insulators/Conductors	Definitions and examples	44,46