

CP Science 9 SEMESTER ONE FINAL EXAM REVIEW LIST

Chapters 1,2,3,8,9,10 & 11

Nebular Hypothesis (formation of our solar system)

Earth's Spheres (4 major)

Layers of Earth (of Geosphere)

Theory of Plate Tectonics

Driving Forces

Layers forming the plates

Latitude (Equator)

Longitude (Prime Meridian)

Topographic Maps

Contour Lines

Intervals

Mercator Projection

Energy Sources for Earth

Renewable Resources

Theory

Hypothesis

Atoms ($p^+ n^0 e^-$)

Atomic number

Atomic Mass

Isotope

Ion

Compound

Chemical Bonds (3 Types)

Molecule

Elements in Earth's Crust

8 most common

1 most abundant

Mineral

Characteristics

Classification

Identification Properties

Formation

Carbonates

Silicates

Sulfates

Density

Rock

Metamorphic

Igneous

Sedimentary

Classification

Formation

Rock Cycle

Intrusive vs. Extrusive Igneous

Magma

Formation Factors

Granitic

Conglomerate

Fossils

Foliated Metamorphic

Fault

Epicenter

Focus

Elastic Rebound

Seismic Waves

P waves

S waves

Surface waves (L)

Seismic Stations (Seismographs)

Time-Travel Graph

Magnitude

Moment Magnitude Scale

Intensity

Buildings & Earthquake Destruction

Tsunami

Liquefaction

Moho

Earth's Core

Pangaea

Wegener's Hypothesis

Lithosphere (divisions)

Asthenosphere

Plate Boundaries

Convergent

Divergent

Transform Fault

Subduction Zones

Seafloor Spreading
Deep Ocean Trenches
Volcanic Island Arcs
Continental Volcanic Arcs
Paleomagnetism
Hot Spot (Intraplate)
Slab pull
Ridge Push
Whole Mantle Convection
Explosive Volcanic Eruption Factors
Pyroclastics
Cinder Cone
Composite Cone
Shield Volcano
Caldera
Volcanic Neck
Plutons
Batholiths
Laccoliths
Sill
Ring of Fire
Rock Strength Factors

Rock Deformation
Ductile
Elastic
Brittle
Faults
Normal
Reverse
Thrust
Strike-slip
Hanging Wall
Foot Wall
Orogenesis
Mountain Classification & Formation
Folded
Fault-block
Volcanic
Horst
Graben
Accretion
Accretionary Wedge
Isostatic Adjustment