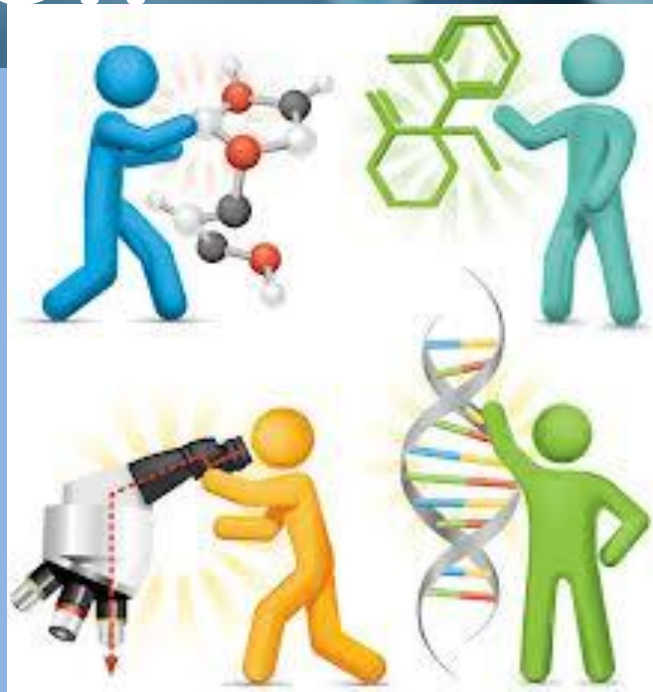


Eagles 8th Grade Science:

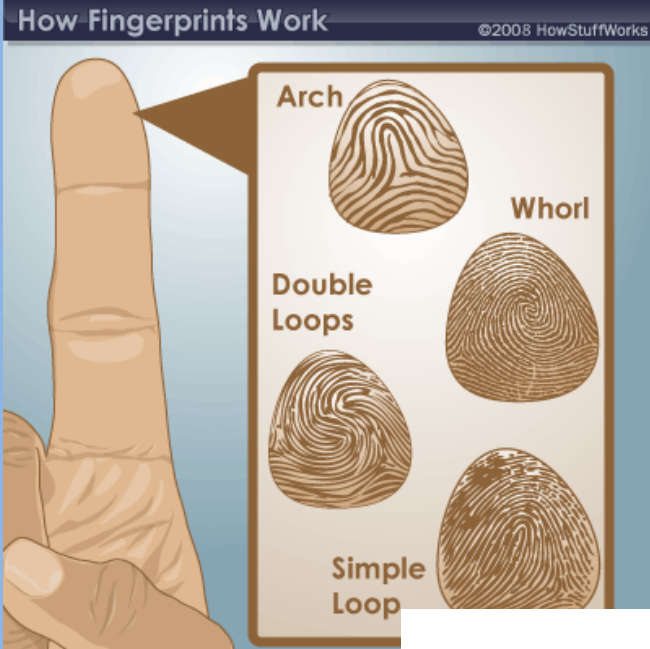
pppst.com

Year in Review



Introductory Activities

Fingerprinting



Polymer Spheres and Instant Snow



Gobstopper Activity



Hand Boiler



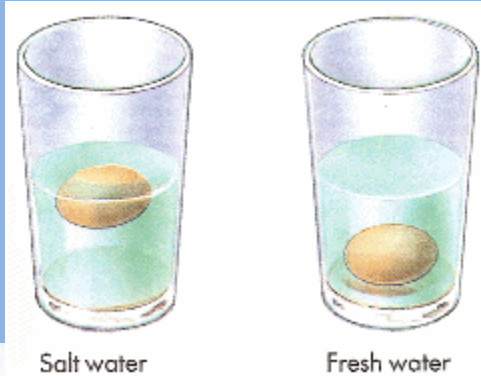
www.SteveSpangleScience.com

Inquiry Unit: Topics Covered

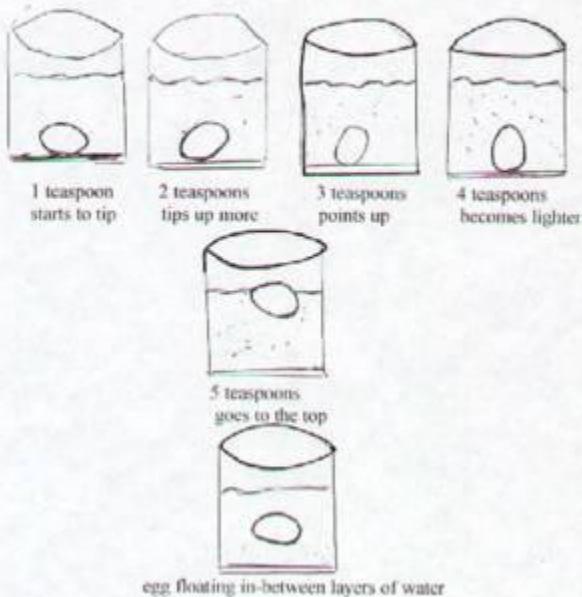
- IV
- DV
- Constant
- Control
- Qualitative Observations
- Quantitative Observations
- Problem
- Hypothesis
- Title
- Data Table
- Graph (bar and line)
- Lab Report
- Conclusion
- Multiple trials
- Fair test
- Discrete data
- Continuous data

Inquiry Unit: Labs

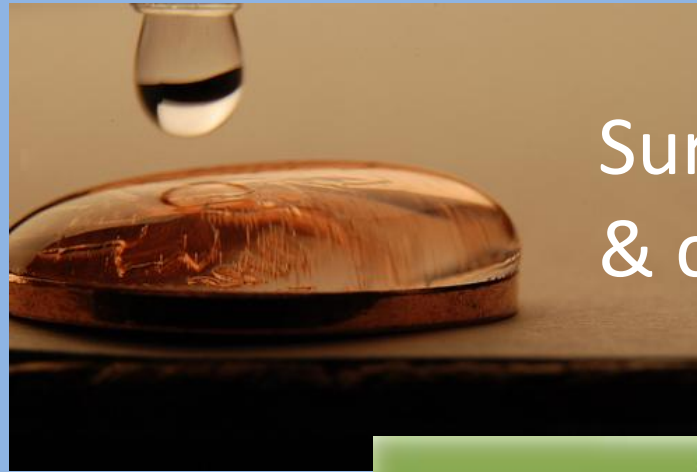
Egg Density Lab



Egg Float Graph



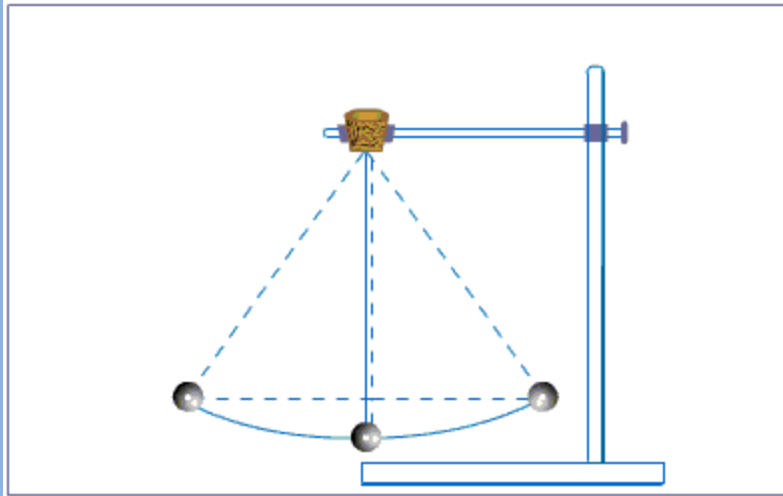
Water Properties Lab



Surface tension
& cohesion

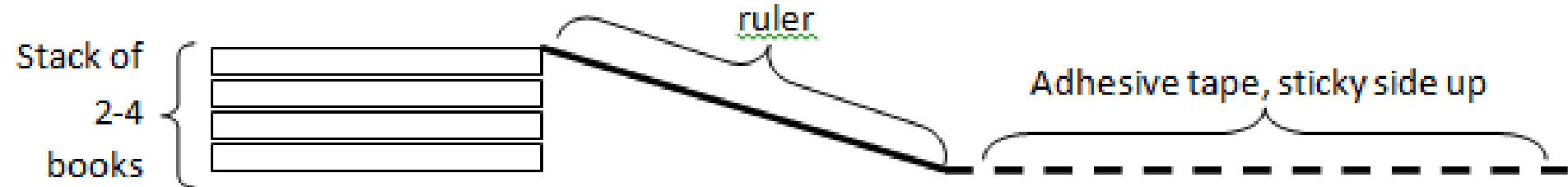


Inquiry Unit: Labs



THE *pendulum* LAB

Stick To It! Lab

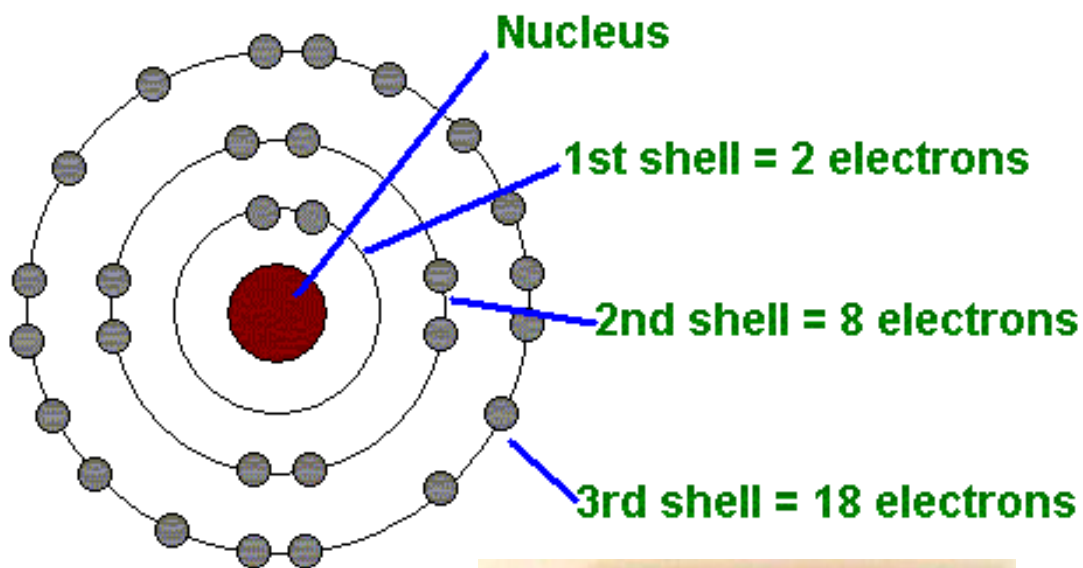


Chemistry Review Unit: Topics Covered

- Chemical symbols
- Atoms
- Protons
- Neutrons
- Electrons
- Nucleus
- Atomic number
- Electron energy levels
- Atomic mass/ mass number
- Bohr model
- Molecule
- Compound
- Heterogeneous mixture
- Homogeneous mixture
- States of matter (solid, liquid, gas)
- Kinetic Theory of Matter
- CHONPS
- Physical properties & change
- Chemical properties & change

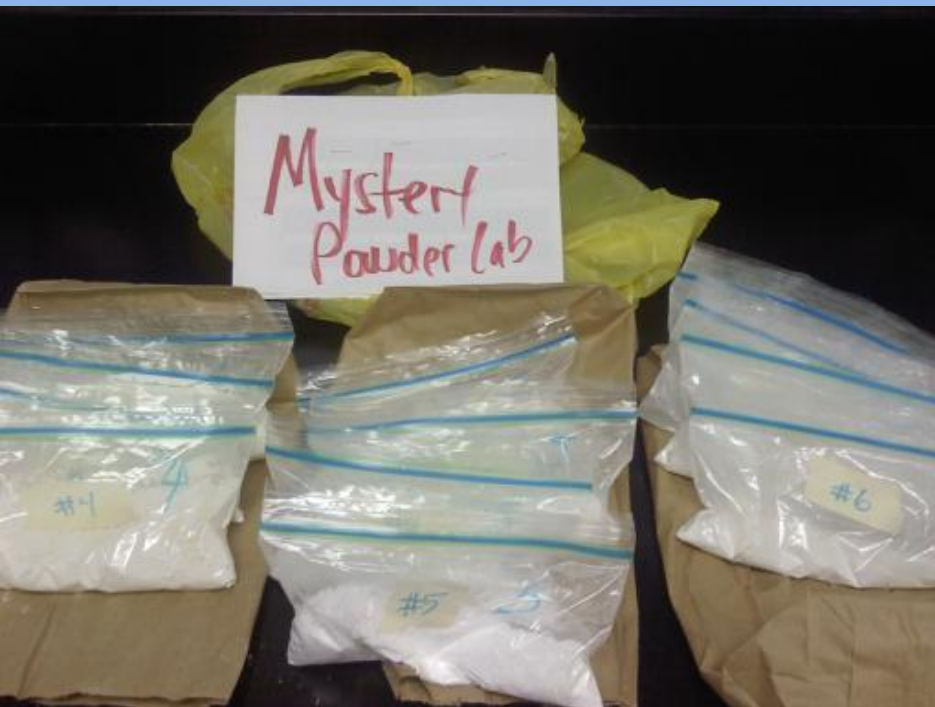
Chemistry Review Unit: Activities

Candy Bohr Model



Chemistry Review Unit: Labs

Mystery Powder Lab



Chemistry Unit: Topics Covered

- Ions
- Isotopes
- Periodic Table
- Families/Periods
- Metals
- Nonmetals
- Metalloids
- Stairstep
- Lewis Dot Structures
- Bonding – Ionic, Covalent, & Metallic
- Law of Conservation of Mass
- Forms and Transformation of Energy
- Chemical Energy
- Subscript
- Coefficient
- Chemical Equation
- Reactant
- Product
- Yields
- Combustion Reaction
- Balancing equations
- Exothermic reaction
- Endothermic reaction

Chemistry Unit: Activities

Combustion Reactions – In auxiliary gym

Acetone Writing



Whoosh Bottle



*Elephant
Toothpaste*

Chemistry Review Unit: Labs

Chemical Reaction Labs #1 & #2



Law of Conservation of Mass



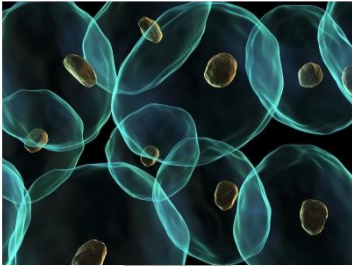
Cells Unit: Topics Covered

- Characteristics of living things
- Needs of living things
- Unicellular vs multicellular
- Prokaryotic vs eukaryotic
- Cells
- Organism
- Cell organelles
- Homeostasis
- Levels of Organization
- Specialization
- Osmosis
- Diffusion
- Active & Passive Transport
- Endocytosis & Exocytosis
- Four Large Molecules
- Photosynthesis
- Respiration
- Cell Cycle

Cells *Cells Unit: Activities*

Investigation Webquest

🌟 Welcome



Update Image

Welcome: A Cellular Investigation

Description: During this webquest you will be exploring the different types of cell organelles that help each cell, either plant or animal, to function.

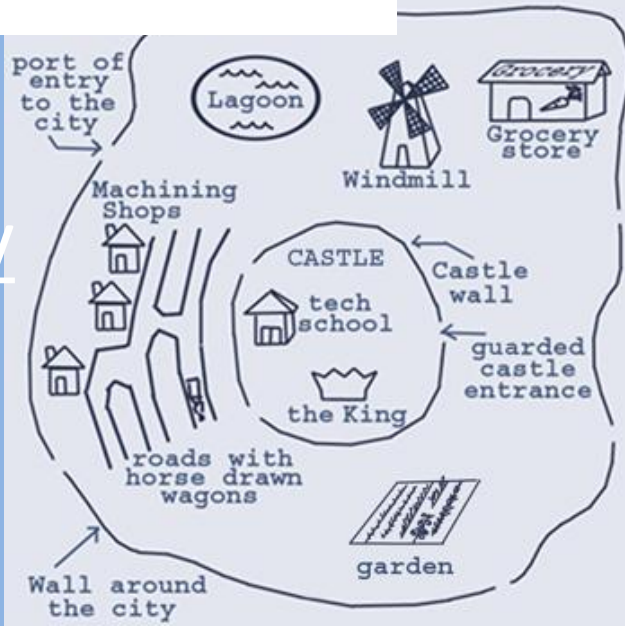
Grade Level: 6-8

Curriculum: Science

Keywords: cells, organelles

Author(s): Mr. Packard

Cell Analogy



Smelly Balloons



Gummy Bear Activity

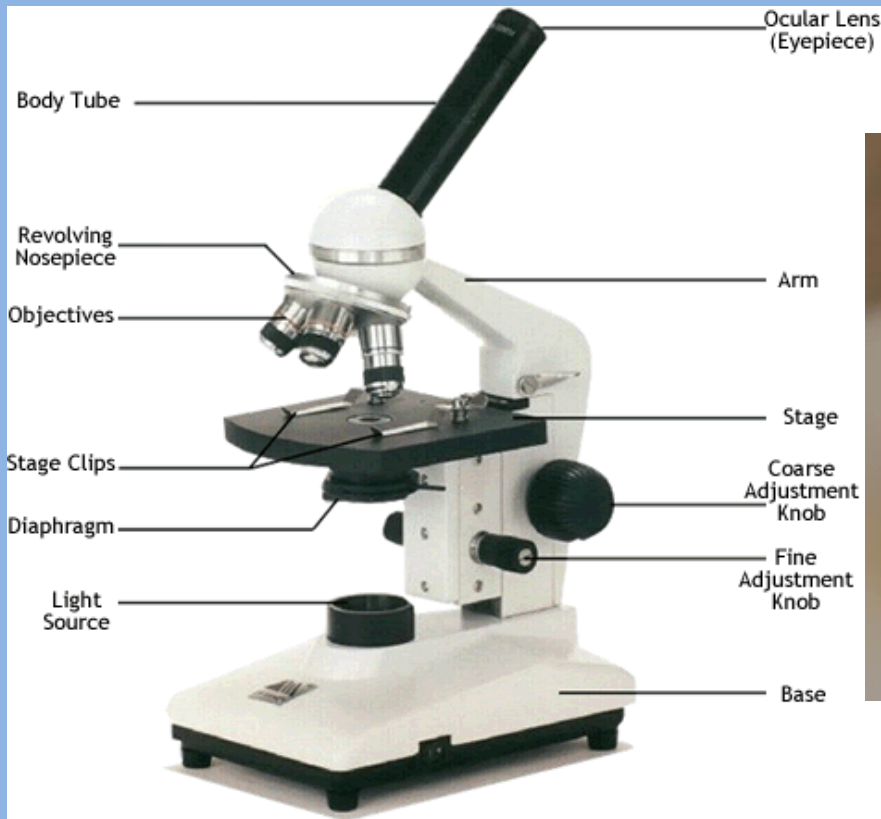


Milk-o-Motion



Cells Unit: Labs

Microscope Lab



Egg Lab

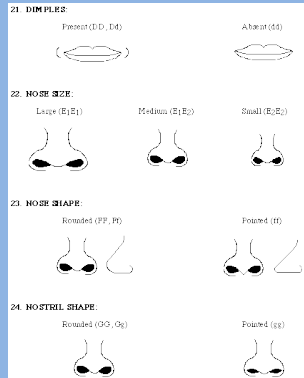


Genetics Unit: Topics Covered

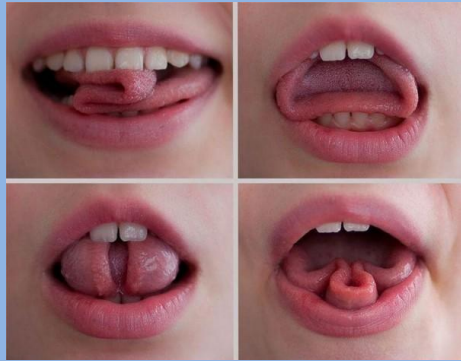
- Chromosomes
- Flower Parts
- Sexual vs Asexual Reproduction
- Heredity
- Inherited traits
- Acquired traits
- Genes
- Allele
- Dominant vs Recessive traits
- Homozygous vs Heterozygous
- Genotype
- Phenotype
- Punnett Squares

Genetics Unit: Activities

Genetics of Parenthood

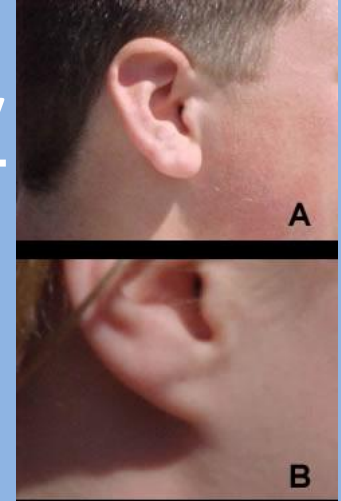


Taste Strips



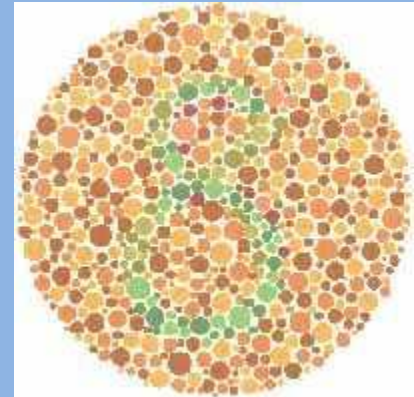
Observable Traits

Heredity and You



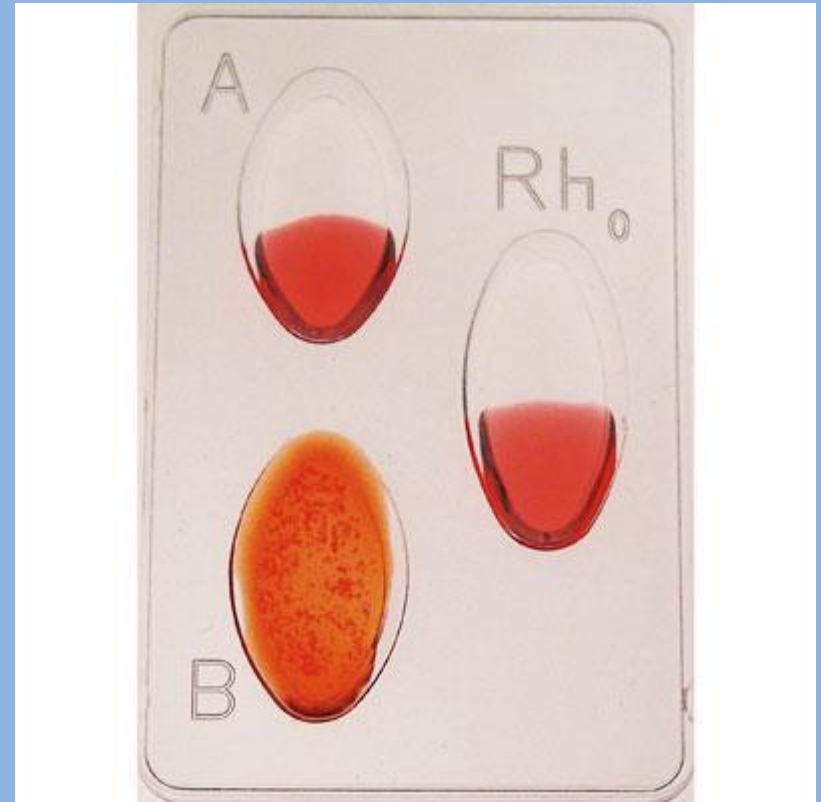
Offspring Activity

Color Blindness Test



Genetics Unit: Labs

Simulated Blood Typing Lab



Changing Earth Unit: Topics Covered

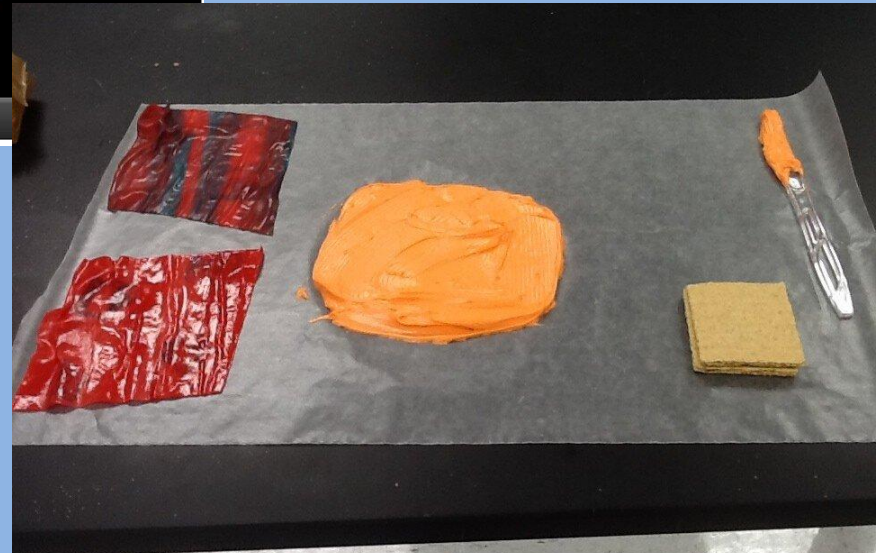
- Layers of the earth
- Alfred Wegner
- Continental Drift
- Plate Tectonics
- Convection Currents
- Plate Boundaries
- Pangaea (& the evidence that supports it)
- Sea floor spreading

Changing Earth Unit: Activities

Changing Earth Webquest (Prezi)



Edible Tectonics



Earth's Surface Unit: Topics Covered

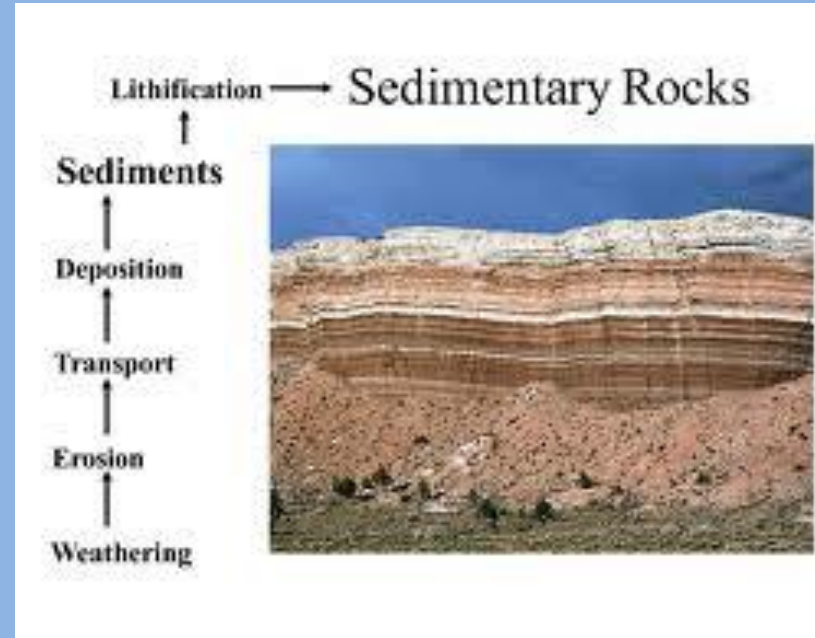
- Mineral
- Mineral properties
- Mohs Hardness
- Igneous Rocks
- Metamorphic Rocks
- Sedimentary Rocks
- Rock Cycle

Earth's Surface Unit: Activities

Rocks & Minerals Introduction Poster



Sedimentary Rock Brochure



Rock Cycle Comic Strip

Earth's Surface Unit: Labs

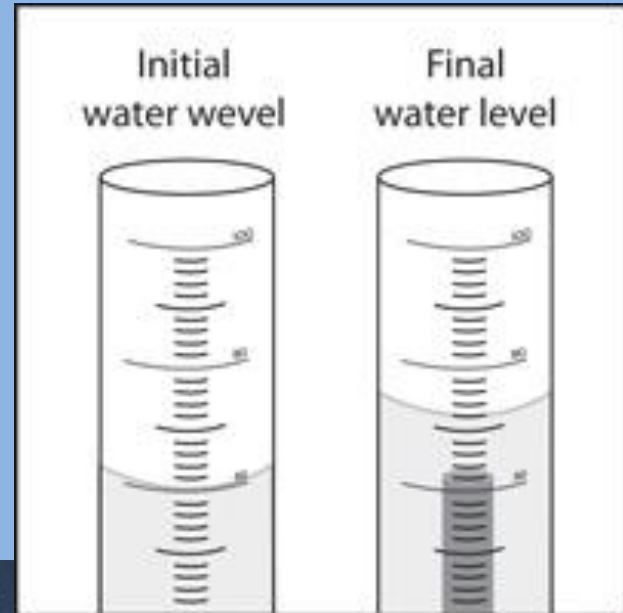
Mineral

Properties lab

Mineral Density lab



The red-brown streak of the mineral hematite.



Igneous Rock Classification lab



Science MAP Review

Board Races

White Board Game



Clickers Game

Technology Prezi



Human Body Unit: Topics Covered

- Levels of Organization
- Homeostasis
- Disease
- Pathogen
- Antibiotic
- Vaccine
- Skeletal System
- Bones
- Respiratory System
- Digestive System
- Circulatory System

Human Body Unit: Activities

Calling Dr. Smith

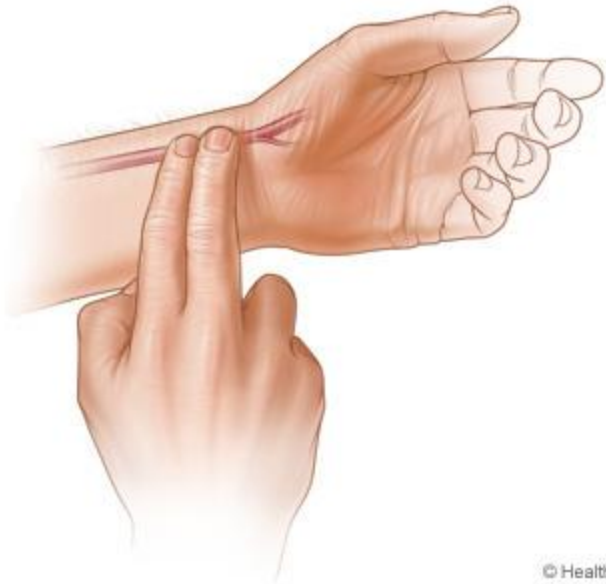
(Disease Chart & Diagnosing the Patients)

Infection Activity



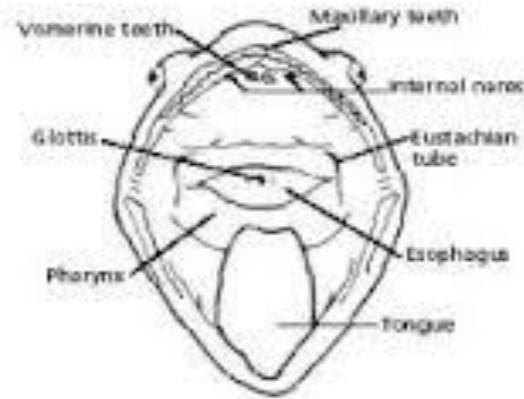
Human Body Unit: Labs

Pulse Rate Lab



© Healthwise, Incorporated

Frog Dissection



Incisions for Dissection

Additional Activities

- Clickers review games
- Houdini vocabulary review
- Online assignments
- Online review games
- Stations activities



When filling out your end of the year survey, please remember...

- I do not hold your answers against you.
- The more honest you are, the more I can do with my class in the following years.
- It pays to explain your answers – the more information I have, the better!

