The Periodic Table Hunt

Your Name _____ Hour _____

Directions: Find 1 fact for each element using the "Periodic Table in Pictures" and the "Periodic Table in Words" (http://elements.wlonk.com/)

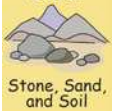
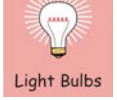
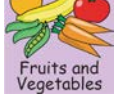
And

Complete the Periodic Table Hunt Questions and the *Superhunt Questions*.

Periodic Table Hunt
By Jim Gonyo

All Graphics
by Keith Enevoldsen

http://elements.wlonk.com

H 1 Hydrogen  Sun and Stars		He 2 Helium  Balloons					
Li 3 Lithium  Batteries		Be 4 Beryllium  Emeralds		B 5 Boron  Sports Equipment		C 6 Carbon  Basis of Life's Molecules	
N 7 Nitrogen  Protein		O 8 Oxygen  Air		F 9 Fluorine  Toothpaste		Ne 10 Neon  Advertising Signs	
Na 11 Sodium  Salt		Mg 12 Magnesium  Chlorophyll		Al 13 Aluminum  Airplanes		Si 14 Silicon  Stone, Sand, and Soil	
P 15 Phosphorus  Bones		S 16 Sulfur  Egg Yolks		Cl 17 Chlorine  Swimming Pools		Ar 18 Argon  Light Bulbs	
K 19 Potassium  Fruits and Vegetables		Ca 20 Calcium  Shells and Bones		Sc 21 Scandium  Bicycles		Ti 22 Titanium  Aerospace	
V 23 Vanadium  Springs		Cr 24 Chromium  Stainless Steel		Mn 25 Manganese  Earthmovers		Fe 26 Iron  Steel Structures	
Co 27 Cobalt  Magnets		Ni 28 Nickel  Coins		Cu 29 Copper  Electric Wires		Zn 30 Zinc  Brass Instruments	

Ga 31 Gallium

Light-Emitting Diodes (LEDs)

Ge 32 Germanium

Semiconductor Electronics

As 33 Arsenic

Poison

Se 34 Selenium

Copiers

Br 35 Bromine

Photography Film

Kr 36 Krypton

Flashlights

Rb 37 Rubidium

Global Navigation

Sr 38 Strontium

Fireworks

Y 39 Yttrium

Lasers

Zr 40 Zirconium

Chemical Pipelines

Nb 41 Niobium

Mag Lev Trains

Mo 42 Molybdenum

Cutting Tools

Tc 43 Technetium

Radioactive Diagnosis

Ru 44 Ruthenium

Electric Switches

Rh 45 Rhodium

Searchlight Reflectors

Pd 46 Palladium

Pollution Control

Ag 47 Silver

Jewelry

Cd 48 Cadmium

Paint

In 49 Indium

Liquid Crystal Displays (LCDs)

Sn 50 Tin

Plated Food Cans

Sb 51 Antimony

Car Batteries

Te 52 Tellurium

Thermoelectric Coolers

I 53 Iodine

Disinfectant

Xe 54 Xenon

High-Intensity Lamps

Cs 55 Cesium

Atomic Clocks

Ba 56 Barium

X-Ray Diagnosis

La 57 Lanthanum

Telescope Lenses

Ce 58 Cerium

Lighter Flints

Pr 59 Praseodymium

Torchworkers' Eyeglasses

Nd 60 Neodymium

Electric Motor Magnets

Pm 61 Promethium

Luminous Dials

Sm 62 Samarium

Electric Motor Magnets

Eu 63 Europium

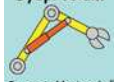
Color Televisions

Gd 64 Gadolinium

MRI Diagnosis

Tb 65 Terbium

Fluorescent Lamps

Dy 66 Dysprosium

Smart Material Actuators

Ho 67 Holmium

Laser Surgery

Er 68 Erbium

Optical Fiber Communications

Tm 69 Thulium

Laser Surgery

Yb 70 Ytterbium

Scientific Fiber Lasers

Lu 71 Lutetium

Photodynamic Medicine

Hf 72 Hafnium

Nuclear Submarines

Ta 73 Tantalum

Mobile Phones

W 74 Tungsten

Lamp Filaments

Re 75 Rhenium

Rocket Engines

Os 76 Osmium

Pen Points

Ir 77 Iridium

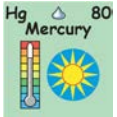
Spark Plugs

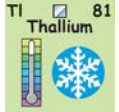
Pt 78 Platinum

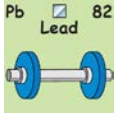
Labware

Au 79 Gold

Jewelry

Hg 80 Mercury

Thermometers

Tl 81 Thallium

Low-Temperature Thermometers

Pb 82 Lead

Weights

Bi 83 Bismuth

Fire Sprinklers

Po 84 Polonium

Anti-Static Brushes

At 85 Astatine

Radioactive Medicine

Rn 86 Radon

Surgical Implants

Fr 87 Francium

Laser Atom Traps

Ra 88 Radium

Luminous Watches

Ac 89 Actinium

Radioactive Medicine

Th 90 Thorium

Gas Lamp Mantles

Pa 91 Protactinium

Radioactive Waste

U 92 Uranium

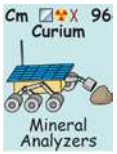
Nuclear Power

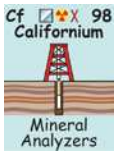
Np 93 Neptunium

Radioactive Waste

Pu 94 Plutonium

Nuclear Weapons





Periodic Table Hunt Questions

1. Find 3 corrosion resistant metals (Noble Metals).
   _____ _____ _____
2. Find a Red liquid. _____
3. Find 4 of the top 8 Elements in the Earth's Crust (by weight).
   _____ _____ _____ _____
4. Find 4 of the top 10 Elements in the Human Body (by weight).
   _____ _____ _____ _____
5. Find 4 elements that are found in nature only in trace amounts (less than a millionth percent of the Earth's Crust).
   _____ _____ _____ _____
6. Find 4 metallic solid elements.
   _____ _____ _____ _____
7. Find 3 magnetic elements (at room temperature).
   _____ _____ _____
8. Find 3 colorless gases that do not belong to the Noble Gases.
   _____ _____ _____
9. Find 1 radioactive Noble Gas. _____
10. Find 1 element that is a magnetic, metallic solid and is found in the Earth's Crust.

Superhunt Questions

1. Find the first radioactive element found. _____
2. Find the first human made element. _____
3. Find the element that conducts electricity best. _____
4. Find the two elements that share the title of densest element.
   _____ _____
5. Find two elements used in atomic clocks.
   _____ _____
6. Find the two elements that are radioactive metallic solids, never found in nature **and** used in mineral analyzers.
   _____ _____
7. Find the most abundant radioactive element. _____
8. Find the element that is the lightest metal. _____
9. Find 4 elements whose isotopes have a half-life of more than one year (this is actually a Super *Superhunt* question).
   _____ _____ _____ _____
10. Find 4 elements that will give 3 electrons when bonding. (this is actually an ultimately Super Duper *Superhunt* question)
    _____ _____ _____ _____