

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

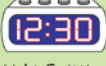
Complete the **Periodic Table Hunt Questions** and the **Superhunt Questions**.

Periodic Table Hunt
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All Graphics
by Keith Enevoldsen

<http://elements.wlonk.com>

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


Ga 31
Gallium

Light-Emitting Diodes (LEDs)




Ge 32
Germanium

Semiconductor Electronics

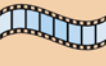


As 33
Arsenic

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



<p>Eu  63 Europium  Color Televisions</p>		<p>Gd  64 Gadolinium  MRI Diagnosis</p>		<p>Tb  65 Terbium  Fluorescent Lamps</p>		<p>Dy  66 Dysprosium  Smart Material Actuators</p>	
<p>Ho  67 Holmium  Laser Surgery</p>		<p>Er  68 Erbium  Optical Fiber Communications</p>		<p>Tm  69 Thulium  Laser Surgery</p>		<p>Yb  70 Ytterbium  Scientific Fiber Lasers</p>	
<p>Lu  71 Lutetium  Photodynamic Medicine</p>		<p>Hf  72 Hafnium  Nuclear Submarines</p>		<p>Ta  73 Tantalum  Mobile Phones</p>		<p>W  74 Tungsten  Lamp Filaments</p>	
<p>Re  75 Rhenium  Rocket Engines</p>		<p>Os  76 Osmium  Pen Points</p>		<p>Ir  77 Iridium  Spark Plugs</p>		<p>Pt  78 Platinum  Labware</p>	
<p>Au  79 Gold  Jewelry</p>		<p>Hg  80 Mercury  Thermometers</p>		<p>Tl  81 Thallium  Low-Temperature Thermometers</p>		<p>Pb  82 Lead  Weights</p>	
<p>Bi  83 Bismuth  Fire Sprinklers</p>		<p>Po  84 Polonium  Anti-Static Brushes</p>		<p>At  85 Astatine  Radioactive Medicine</p>		<p>Rn  86 Radon  Surgical Implants</p>	
<p>Fr  87 Francium  Laser Atom Traps</p>		<p>Ra  88 Radium  Luminous Watches</p>		<p>Ac  89 Actinium  Radioactive Medicine</p>		<p>Th  90 Thorium  Gas Lamp Mantles</p>	
<p>Pa  91 Protactinium  Radioactive Waste</p>		<p>U  92 Uranium  Nuclear Power</p>		<p>Np  93 Neptunium  Radioactive Waste</p>		<p>Pu  94 Plutonium  Nuclear Weapons</p>	



Periodic Table Hunt Questions

- Find 3 corrosion resistant metals (Noble Metals).

- Find a Red liquid. _____
- Find 4 of the top 8 Elements in the Earth's Crust (by weight).

- Find 4 of the top 10 Elements in the Human Body (by weight).

- Find 4 elements that are found in nature only in trace amounts (less than a millionth percent of the Earth's Crust).

- Find 4 metallic solid elements.

- Find 3 magnetic elements (at room temperature).

- Find 3 colorless gases that do not belong to the Noble Gases.

- Find 1 radioactive Noble Gas. _____
- Find 1 element that is a magnetic, metallic solid and is found in the Earth's Crust.

Superhunt Questions

- Find the first radioactive element found. _____
- Find the first human made element. _____
- Find the element that conducts electricity best. _____
- Find the two elements that share the title of densest element.

- Find two elements used in atomic clocks.

- Find the two elements that are radioactive metallic solids, never found in nature **and** used in mineral analyzers.

- Find the most abundant radioactive element. _____
- Find the element that is the lightest metal. _____
- Find 4 elements whose isotopes have a half-life of more than one year (this is actually a Super *Superhunt* question).

- Find 4 elements that will give 3 electrons when bonding. (this is actually an ultimately Super Duper *Superhunt* question)

Extra Challenge!

