





Elementary! What's on the Periodic Table

Questions

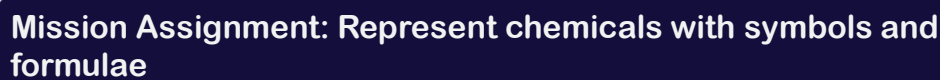
1. What is the chemical symbol for hydrogen?
2. What is the chemical symbol for potassium?
3. What is the chemical symbol for magnesium?
4. What is the chemical symbol for iron?
5. What is the chemical symbol for sulfur?
6. What is the chemical symbol for radon?
7. Which element is represented by Pt?
8. Which element is represented by Bi?
9. Which element is represented by W?
10. Which element is represented by Pb?
11. Which element is represented by Hg?
12. Which element is represented by Ra?
13. Which element is represented by Sb?
14. Which element is represented by Po?

For the following compounds, identify which elements, and how many atoms of each element, are in the compound.

1. CO
2. H_2SO_4
3. CH_4
4. NaOH
5. Al_2Cl_3
6. H_3PO_4
7. $\text{Mg}(\text{OH})_2$

Challenge

Can you write the formula of carbon dioxide, sulfur trioxide and nitrogen monoxide using only the names?



Elementary! What's on the Periodic Table



Write out the elements and their symbols to create a word. Remember the first letter should always be a capital letter and the second (if there is one) lower case.

[illegible]

What is the longest word that you can make?



Elementary! What's on the Periodic Table

Alphabetical list of element symbols

Ac	Actinium	Cd	Cadmium	Fe	Iron	Kr	Krypton
Ag	Silver	Ce	Cerium	Fl	Flerovium	La	Lanthanum
Al	Aluminium	Cf	Californium	Fm	Fermium	Li	Lithium
Am	Americium	Cl	Chlorine	Fr	Francium	Lr	Lawrencium
Ar	Argon	Cm	Curium	Ga	Gallium	Lu	Lutetium
As	Arsenic	Cn	Copernicium	Gd	Gadolinium	Lv	Livermorium
At	Astatine	Co	Cobalt	Ge	Germanium	Mc	Moscovium
Au	Gold	Cr	Chromium	H	Hydrogen	Md	Mendelevium
B	Boron	Cs	Caesium	He	Helium	Mg	Magnesium
Ba	Barium	Cu	Copper	Hf	Hafnium	Mn	Manganese
Be	Beryllium	Db	Dubnium	Hg	Mercury	Mo	Molybdenum
Bh	Bohrium	Ds	Darmstadtium	Ho	Holmium	Mt	Meitnerium
Bi	Bismuth	Dy	Dysprosium	Hs	Hassium	N	Nitrogen
Bk	Berkelium	Er	Erbium	I	Iodine	Na	Sodium
Br	Bromine	Es	Einsteinium	In	Indium	Nb	Niobium
C	Carbon	Eu	Europium	Ir	Iridium	Nd	Neodymium
Ca	Calcium	F	Fluorine	K	Potassium	Ne	Neon



Elementary! What's on the Periodic Table

Alphabetical list of element symbols

Nh	Nihonium	Rb	Rubidium	Tb	Terbium
Ni	Nickel	Re	Rhenium	Tc	Technetium
No	Nobelium	Rf	Rutherfordium	Te	Tellurium
Np	Neptunium	Rg	Roentgenium	Th	Thorium
O	Oxygen	Rh	Rhodium	Ti	Titanium
Og	Oganesson	Rn	Radon	Tl	Thallium
Os	Osmium	Ru	Ruthenium	Tm	Thulium
P	Phosphorus	S	Sulfur	Ts	Tennessine
Pa	Protactinium	Sb	Antimony	U	Uranium
Pb	Lead	Sc	Scandium	V	Vanadium
Pd	Palladium	Se	Selenium	W	Tungsten
Pm	Palladium	Sg	Seaborgium	Xe	Xenon
Po	Polonium	Si	Silicon	Y	Yttrium
Pr	Praseodymium	Sm	Samarium	Yb	Ytterbium
Pt	Platinum	Sn	Tin	Zn	Zinc
Pu	Plutonium	Sr	Strontium	Zr	Zirconium
Ra	Radium	Ta	Tantalum		



Elementary! What's on the Periodic Table

Questions

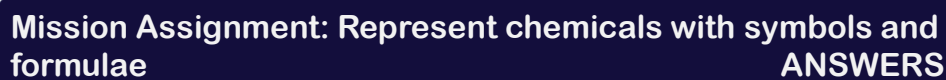
- | | |
|---|-----------------|
| 1. What is the chemical symbol for hydrogen? | <u>H</u> |
| 2. What is the chemical symbol for potassium? | <u>K</u> |
| 3. What is the chemical symbol for magnesium? | <u>Mg</u> |
| 4. What is the chemical symbol for iron? | <u>Fe</u> |
| 5. What is the chemical symbol for sulfur? | <u>S</u> |
| 6. What is the chemical symbol for radon? | <u>Rn</u> |
| 7. Which element is represented by Pt? | <u>Platinum</u> |
| 8. Which element is represented by Bi? | <u>Bismuth</u> |
| 9. Which element is represented by W? | <u>Tungsten</u> |
| 10. Which element is represented by Pb? | <u>Lead</u> |
| 11. Which element is represented by Hg? | <u>Mercury</u> |
| 12. Which element is represented by Ra? | <u>Radium</u> |
| 13. Which element is represented by Sb? | <u>Antimony</u> |
| 14. Which element is represented by Po? | <u>polonium</u> |

For the following compounds, identify which elements, and how many atoms of each element, are in the compound.

- | | |
|------------------------------------|--|
| 1. CO | <u>1 x carbon and 1 x oxygen</u> |
| 2. H ₂ SO ₄ | <u>2 x hydrogen, 1 x sulfur and 4 x oxygen</u> |
| 3. CH ₄ | <u>1 x carbon and 4 x hydrogen</u> |
| 4. NaOH | <u>1 x sodium, 1 x oxygen and 1 x hydrogen</u> |
| 5. Al ₂ Cl ₃ | <u>2 x aluminium and 3 x chlorine</u> |
| 6. H ₃ PO ₄ | <u>3 x hydrogen, 1 x phosphorus and 4 x oxygen</u> |
| 7. Mg(OH) ₂ | <u>1 x magnesium, 2 x oxygen and 2 x hydrogen</u> |

Challenge

Can you write the formula of carbon dioxide, sulfur trioxide and nitrogen monoxide using only the names?



Elementary! What's on the Periodic Table



Write out the elements and their symbols to create a word. Remember the first letter should always be a capital letter and the second (if there is one) lower case.

Student's own answer – website <https://sciencenotes.org/list-words-made-periodic-table-element-symbols/>

This image shows a single sheet of white paper with horizontal blue lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Challenge

What is the longest word that you can make?