

Name _____ Date _____

47
Ag
Silver
107.87

ELEMENT SYMBOLS QUIZ-Answer Key

1. Write down the chemical symbols of the following elements:

Magnesium: Mg	Gold: Au	Manganese: Mn
Chlorine: Cl	Zinc: Zn	Neon: Ne
Fluorine: F	Copper: Cu	Tin: Sn
Phosphorous: P	Cobalt: Co	Iodine: I
Copper: Cu	Phosphorus: P	Tungsten: W
Iron: Fe	Beryllium: Be	Mercury: Hg
Silver: Ag	Titanium: Ti	Lithium: Li

2. Give the names of the elements whose chemical symbols are given below:

Fe: Iron	Ho: Holmium	Ga: Gallium
Ag: Silver	Sr: Strontium	As: Arsenic
Br: Bromine	Pt: Platinum	Ra: Radium
S: Sulphur	Ar: Argon	Cs: Cesium
Ca: Calcium	Sc: Scandium	Tl: Thallium
Mn: Manganese	V: Vanadium	Th: Thorium
Pb: Lead	Cr: Chromium	
Ba: Barium	Rb: Rubidium	
Cu: Copper	Rh: Rhodium	
Au: Gold	Rn: Radon	
Si: Silicon	Sb: Antimony	
Kr: Krypton	Bi: Bismuth	
Sn: Tin	Am: Americium	
W: Tungsten	Fl: Flerovium	
Hg: Mercury		

3. Study the formulae of compounds given below and complete the table:

Formulae	Elements Present	Number of atoms in one molecule
H ₂ O	Water, Oxygen	3
NaCl	Sodium, Chlorine	2
KOH	Potassium, Oxygen, Hydrogen	3
C ₁₂ H ₂₂ O ₁₁	Carbon, Oxygen, Hydrogen	45
Fe ₂ O ₃	Iron, Oxygen	5
NH ₃	Nitrogen, Hydrogen	4
Na ₂ O	Sodium, Oxygen	3
NaHCO ₃	Sodium, Hydrogen, Carbon, Oxygen	6
FeSO ₄	Iron, Sulphur, Oxygen	6
MgSO ₄	Magnesium, Sulphur, Oxygen	6
HNO ₃	Hydrogen, Nitrogen, Oxygen	5
CaCO ₃	Calcium, carbon, Oxygen	5

4. Indicate whether the following statements are *True* or *False*:

a. The temporary name given to a newly discovered element is always based on the Latin words corresponding to its atomic number.

True: The temporary name given to a newly discovered element is indeed based on the Latin words corresponding to its atomic number until it is officially approved by IUPAC.

b. When a new element is discovered, the person or group who discovers it always gets to name it?

False: While the discoverer typically proposes a name for a newly discovered element, the final naming authority rests with the International Union of Pure and Applied Chemistry (IUPAC). They review and approve the proposed name before it becomes official.

c. In the chemical symbol "2F", the number "2" indicates there are two atoms of the element.

True: In the chemical symbol "2F", the number "2" before the chemical symbol indicates there are two uncombined fluorine atoms.

d. A chemical symbol written without a number always represents a molecule.

False: A chemical symbol written without a number typically represents one atom of the element, not necessarily a molecule. For example, "H" represents one atom of hydrogen.