

Periodic Table, Chemical Names, & Compounds

Question 1

Give the correct symbols for the following elements:

- 1.1) Helium
- 1.2) Aluminum
- 1.3) Gold
- 1.4) Bromine
- 1.5) Potassium
- 1.6) Magnesium
- 1.7) Beryllium
- 1.8) Iron
- 1.9) Lithium
- 1.10) Tin

Question 2

Give the correct name for the symbols of the following elements:

- 2.1) C
- 2.2) N
- 2.3) S
- 2.4) P
- 2.5) Cu
- 2.6) Ag
- 2.7) Hg
- 2.8) U
- 2.9) O
- 2.10) Na
- 2.11) Cl
- 2.12) Ca
- 2.13) Zn
- 2.14) Sn
- 2.15) Pb

Question 3

Define the following terms:

- 3.1) Ion
- 3.2) Cation

Question 4

Give the formula for each of the following compounds:

- 4.1) Ammonia
- 4.2) Hydrochloric acid
- 4.3) Calcium carbonate
- 4.4) Sodium hydroxide

Question 5

Choose the correct letter and write it down next to the applicable question:

5.1) The symbol for copper is:

- | | | | |
|----|----|----|----|
| a) | C | b) | K |
| c) | Ca | d) | Cu |

5.2) Which one of the following is not a formula?

- | | | | |
|----|--------|----|--------|
| a) | NH_3 | b) | SO_4 |
| c) | H_2O | d) | Na |

Question 6

6.1) Give the symbols for the following elements:

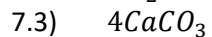
- 6.1.1) Calcium
- 6.1.2) Sodium
- 6.1.3) Phosphorus
- 6.1.4) Mercury

6.2) Give the formulas for the following compounds:

- 6.2.1) Carbon dioxide
- 6.2.2) Potassium permanganate
- 6.2.3) Hydrochloric acid
- 6.2.4) Calcium carbonate

Question 7

Write down the name for the following compounds:



Question 8

Write down the chemical formulas for the following compounds:

8.1) Magnesium fluoride

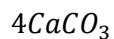
8.2) Aluminum chloride

8.3) Potassium oxide

8.4) Aluminum sulphide

8.5) Ammonium carbonate

Question 9

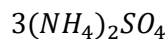


9.1.1) What is the total amount of ions in the compound?

9.1.2) What is the total amount of positive ions in the compound?

9.1.3) What is the total amount of negative ions in the compound?

9.1.4) Name the anion.



9.2.1) What is the total amount of ions in the compound?

9.2.2) What is the total amount of positive ions in the compound?

9.2.3) What is the total amount of negative ions in the compound?

9.2.4) Name the cation.