

# Worksheet: Salts



**Q1:** Besides sulfur, which element is present in the sulfate anion?

- A Carbon
- B Oxygen
- C Hydrogen
- D Chlorine
- E Sodium



Question Video

**Q2:** What is the name of the ion formed when an atom of sulfur gains two electrons?

- A Persulfate
- B Sulfate
- C Sulfone
- D Sulfide
- E Sulfur

**Q3:** What is the name of the ion formed when an atom of chlorine gains an electron?

- A Chloranion
- B Perchlorate
- C Chloride
- D Chlorine
- E Chlorate

**Q4:** Potassium dicyanoargentate(I) is used to make antiseptic compounds. What is the formula for potassium dicyanoargentate(I)?

- A  $\text{K}[\text{AgCN}]$
- B  $\text{K}[\text{Ag}_2(\text{CN})_2]$
- C  $\text{K}[\text{AgCN}]_2$
- D  $\text{K}[\text{Ag}_2\text{CN}]$
- E  $\text{K}[\text{Ag}(\text{CN})_2]$

**Q5:** What is the name of the salt  $K_3[Fe(C_2O_4)_3]$ ?

- A Iron(III) trioxalate tripotassium
- B Potassium iron(III) tris(oxalate)
- C Potassium tris(oxalate)ferrate(III)
- D Tripotassium trisoxalatoferrate(III)
- E Potassium trioxalateiron(III)

**Q6:** What is the name of the salt  $[Co(NH_3)_5Cl]Cl_2$ ?

- A Pentaamminechlorocobalt(III) chloride
- B Chloropentaamminecobaltate(III) chloride
- C Chloropentaamminecobalt(III) chloride
- D Pentaamminechlorocobaltate(III) chloride
- E Chloropentaamminecobalt(III) chloride

**Q7:** Zinc oxide reacts with hydrochloric acid to produce a salt. What is the name of the salt produced?

- A Zinc hydrochloride
- B Zincide chloride
- C Chlorinated zinc
- D Zinc chloride
- E Zinc chlorine

**Q8:** What is the name of the compound with the formula BaS?

- A Baride sulfur
- B Barium sulfide
- C Sulfurous baride
- D Baride sulfide
- E Sulfur barium

**Q9:** Sodium and chlorine react to produce a salt with the formula NaCl.

What is the name of this salt?

- A Sodium chlorate
- B Sodium chloride
- C Sodium chloronate
- D Sodium chlorine
- E Sodium chlorite

**Q10:** Aluminum reacts readily with liquid bromine to form a salt with the formula  $\text{AlBr}_3$ . What is the name of this salt?

- A Aluminide bromine
- B Brominated aluminum
- C Aluminide bromide
- D Aluminum bromine
- E Aluminum bromide

**Q11:** What is the name of the compound with the formula MgO?

- A Magneside oxide
- B Magneside oxygen
- C Manganese oxide
- D Magnesium oxygen
- E Magnesium oxide

**Q12:** Salts can be made by reacting various metal compounds with acids. With which acid would sodium hydroxide react to produce sodium chloride?

- A Sulfurous acid
- B Nitric acid
- C Sulfuric acid
- D Phosphoric acid
- E Hydrochloric acid

**Q13:** Lithium and fluorine react to produce a salt with the formula LiF.

What is the name of this salt?

- A Lithium fluorite
- B Fluorine lithium
- C Lithium fluoride
- D Lithium fluorine
- E Fluoridated lithium