

Step 1: Ionic Compounds - No Polyatomics, No Multivalents

Name the following Ionic Compounds

1. NaCl: _____

2. KBr: _____

3. MgO: _____

4. CaF₂: _____

5. Li₂S: _____

6. KI: _____

7. Na₃N: _____

8. MgCl₂: _____

9. Ca₃P₂: _____

10. Al₂O₃: _____

11. KF: _____

12. NaI: _____

13. Li₃P: _____

14. CaBr₂: _____

15. MgS: _____

16. AlCl₃: _____

17. Na₂O: _____

18. K₂S: _____

19. LiF: _____

20. CaI₂: _____

21. Mg₃N₂: _____

22. Al₂S₃: _____

23. Na₂S: _____

24. K₂O: _____

25. LiBr: _____

26. CaS: _____

27. MgF₂: _____

28. AlN: _____

29. KCl: _____

30. NaF: _____

Answers:

1. Sodium chloride
2. Potassium bromide
3. Magnesium oxide
4. Calcium fluoride
5. Lithium sulfide
6. Potassium iodide
7. Sodium nitride
8. Magnesium chloride
9. Calcium phosphide
10. Aluminum oxide
11. Potassium fluoride
12. Sodium iodide
13. Lithium phosphide
14. Calcium bromide
15. Magnesium sulfide
16. Aluminum chloride
17. Sodium oxide
18. Potassium sulfide
19. Lithium fluoride
20. Calcium iodide
21. Magnesium nitride
22. Aluminum sulfide
23. Sodium sulfide
24. Potassium oxide
25. Lithium bromide
26. Calcium sulfide
27. Magnesium fluoride
28. Aluminum nitride
29. Potassium chloride
30. Sodium fluoride

Step 1: Ionic Compounds - No Polyatomics, No Multivalents

Write the formula for the following Ionic Compounds

1. Sodium chloride: _____
2. Potassium bromide: _____
3. Magnesium oxide: _____
4. Calcium fluoride: _____
5. Lithium sulfide: _____
6. Potassium iodide: _____
7. Sodium nitride: _____
8. Magnesium chloride: _____

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Answers:

1. NaCl
2. KBr
3. MgO
4. CaF₂
5. Li₂S
6. KI
7. Na₃N
8. MgCl₂
9. Ca₃P₂
10. Al₂O₃
11. KF

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Step 2: Ionic Compounds – Multivalents Included, No Polyatomics

Name the following Ionic Compounds

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Answers:

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Step 2: Ionic Compounds – Multivalents Included, No Polyatomics

Write the formula for the following Ionic Compounds

1. Copper (I) chloride: _____
2. Iron (III) oxide: _____
3. Sodium chloride: _____
4. Cobalt (II) iodide: _____
5. Calcium sulfide: _____
6. Tin (IV) oxide: _____
7. Magnesium bromide: _____
8. Chromium (III) chloride: _____
9. Potassium oxide: _____
10. Zinc sulfide: _____
11. Gold (I) chloride: _____
12. Aluminum oxide: _____
13. Nickel (II) bromide: _____
14. Lead (II) iodide: _____
15. Lithium fluoride: _____
16. Manganese (IV) sulfide: _____
17. Silver bromide: _____
18. Titanium (IV) oxide: _____
19. Vanadium (V) sulfide: _____
20. Iron (II) oxide: _____
21. Barium chloride: _____
22. Copper (II) bromide: _____
23. Zinc oxide: _____
24. Mercury (II) iodide: _____
25. Tin (II) sulfide: _____
26. Cobalt (II) oxide: _____
27. Strontium nitride: _____
28. Chromium (II) oxide: _____
29. Potassium sulfide: _____
30. Gold (III) sulfide: _____

Answers:

1. CuCl
2. Fe₂O₃
3. NaCl
4. CoI₂
5. CaS
6. SnO₂
7. MgBr₂
8. CrCl₃
9. K₂O
10. ZnS
11. AuCl
12. Al₂O₃
13. NiBr₂
14. PbI₂
15. LiF
16. MnS₂
17. AgBr
18. TiO₂
19. V₂S₅
20. FeO
21. BaCl₂
22. CuBr₂
23. ZnO
24. HgI₂
25. SnS
26. CoO
27. Sr₃N₂
28. CrO
29. K₂S
30. Au₂S₃

Step 3: Ionic Compounds - Polyatomics Included, Multivalents Included

Name the following Ionic Compounds

1. CuNO_3 : _____
2. $\text{Fe}(\text{OH})_3$: _____
3. Na_2CO_3 : _____
4. CoSO_4 : _____
5. $\text{Ca}_3(\text{PO}_4)_2$: _____
6. SnCl_4 : _____
7. $\text{Mg}(\text{NO}_2)_2$: _____

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Answers:

1. Copper (I) nitrate
2. Iron (III) hydroxide
3. Sodium carbonate
4. Cobalt (II) sulfate
5. Calcium phosphate
6. Tin (IV) chloride
7. Magnesium nitrite
8. Chromium (III) acetate

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Step 3: Ionic Compounds - Polyatomics Included, Multivalents Included

Write the formula for the following Ionic Compounds

1. CuO: _____
2. Fe₂O₃: _____
3. NaCl: _____
4. CoCl₂: _____
5. Ca₃N₂: _____
6. SnO₂: _____
7. KNO₃: _____
8. Cr₂O₃: _____
9. NH₄Cl: _____
10. ZnS: _____
11. NaF: _____
12. K₂O: _____
13. Ag₂S: _____
14. AlCl₃: _____
15. NiSO₄: _____
16. PbO: _____
17. Li₂CO₃: _____
18. MnO: _____
19. BaCl₂: _____
20. Hg₂O: _____
21. FeS: _____
22. Cu₂S: _____
23. CaF₂: _____
24. K₃PO₄: _____
25. Na₂SO₄: _____
26. MgCl₂: _____
27. Zn(NO₃)₂: _____
28. Co(NO₂)₂: _____
29. SrBr₂: _____
30. TiO₂: _____

Answers:

1. Copper (II) oxide
2. Iron (III) oxide
3. Sodium chloride
4. Cobalt (II) chloride
5. Calcium nitride
6. Tin (IV) oxide
7. Potassium nitrate
8. Chromium (III) oxide
9. Ammonium chloride
10. Zinc sulfide
11. Sodium fluoride
12. Potassium oxide
13. Silver sulfide
14. Aluminum chloride
15. Nickel (II) sulfate
16. Lead (II) oxide
17. Lithium carbonate
18. Manganese (II) oxide
19. Barium chloride
20. Mercury (I) oxide
21. Iron (II) sulfide
22. Copper (I) sulfide
23. Calcium fluoride
24. Potassium phosphate
25. Sodium sulfate
26. Magnesium chloride
27. Zinc nitrate
28. Cobalt (II) nitrite
29. Strontium bromide
30. Titanium (IV) oxide