

BALANCING AND NAMING TEST

Write the formulas for the following compounds:

1. chlorine pentasulphide
2. tin (IV) nitrate
3. germanium nitride
4. magnesium acetate
5. diphosphorus pentoxide
6. sodium dichromate
7. nickel (II) silicide
8. silver iodide
9. tribromine octaoxide
10. astatine dibromide

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Write the names for the following compounds:

11. CuS
12. Co₂O₃
13. Br₂N
14. Pb(CH₃COO)₄
15. NH₄HCO₃
16. C₂SO₄
17. CSi₂
18. Fe₂S₃
19. Ni(OH)₃
20. SCl₂

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Write the balanced equation for the following word equations:

21. tin + oxygen → tin oxide
22. iron (III) chloride + calcium hydroxide → iron (III) hydroxide + calcium chloride
23. boron nitride + fluorine → boron trifluoride + nitrogen
24. zinc + copper(I) sulphate → copper + zinc sulphate
25. barium chloride + potassium sulphate → barium sulphate + potassium chloride

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Balance the following equations. If the equation is already balanced, write "balanced" next to it.

26. NO₂ + H₂O → HNO₃ + NO
27. NH₃ + O₂ → N₂H₄ + H₂O
28. Ca + Pb(NO₃)₂ → Pb + Ca (NO₃)₂
29. CH₄ + O₂ → CO₂ + H₂O
30. Fe₃O₄ + H₂ → Fe + H₂O
31. Al + H₂SO₄ → H₂ + Al₂(SO₄)₃

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