

You Try!

A) Give the formula for:

1. calcium sulphate hexahydrate $\text{Ca}(\text{SO}_4) \cdot 6 \text{H}_2\text{O}$
2. sodium phosphate tetrahydrate $\text{Na}_3(\text{PO}_4) \cdot 4 \text{H}_2\text{O}$
3. aluminum hypochlorite octahydrate $\text{Al}(\text{ClO})_3 \cdot 8 \text{H}_2\text{O}$
4. cesium carbonite dihydrate $\text{Cs}(\text{CO}_2) \cdot 2 \text{H}_2\text{O}$
5. magnesium sulphate heptahydrate $\text{Mg}(\text{SO}_4) \cdot 7 \text{H}_2\text{O}$
6. barium chloride dihydrate $\text{BaCl}_2 \cdot 2 \text{H}_2\text{O}$
7. sodium perchlorate monohydrate $\text{Na}(\text{ClO}_4) \cdot \text{H}_2\text{O}$
8. nickel (II) nitrate hexahydrate $\text{Ni}(\text{NO}_3)_2 \cdot 6 \text{H}_2\text{O}$
9. iron (III) sulphate nonahydrate $\text{Fe}_2(\text{SO}_4)_3 \cdot 9 \text{H}_2\text{O}$
10. calcium nitrate trihydrate $\text{Ca}(\text{NO}_3)_2 \cdot 3 \text{H}_2\text{O}$
11. zinc sulphate heptahydrate $\text{Zn}(\text{SO}_4) \cdot 7 \text{H}_2\text{O}$
12. copper (I) sulphite monohydrate $\text{Cu}_2\text{SO}_3 \cdot \text{H}_2\text{O}$
13. cobalt (II) fluoride tetrahydrate $\text{CoF}_2 \cdot 4 \text{H}_2\text{O}$
14. lithium nitrate trihydrate $\text{Li}(\text{NO}_3) \cdot 3 \text{H}_2\text{O}$
15. sodium sulphate decahydrate $\text{Na}_2(\text{SO}_4) \cdot 10 \text{H}_2\text{O}$

B) Give the name for:

- 1) $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$ Sodium sulphate decahydrate.
- 2) $\text{LiNO}_3 \cdot 3\text{H}_2\text{O}$ Lithium nitrate trihydrate.
- 3) $\text{CoF}_2 \cdot 4\text{H}_2\text{O}$ Cobalt (II) fluoride tetrahydrate.
- 4) $\text{Cu}_2\text{SO}_3 \cdot \text{H}_2\text{O}$ Copper (I) sulphite monohydrate.
- 5) $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ Zinc sulphate heptahydrate.
- 6) $\text{Ca}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$ Calcium nitrate trihydrate.
- 7) $\text{Fe}_2(\text{SO}_4)_3 \cdot 9\text{H}_2\text{O}$ Iron (III) sulphate nonahydrate.
- 8) $\text{Ni}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ Nickel (II) nitrate hexahydrate.
- 9) $\text{NaClO}_4 \cdot \text{H}_2\text{O}$ Sodium perchlorate monohydrate.
- 10) $\text{BaCl}_2 \cdot 2\text{H}_2\text{O}$ Barium chloride dihydrate.
- 11) $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ Magnesium sulphate heptahydrate.
- 12) $\text{Cs}_2\text{CO}_2 \cdot 2\text{H}_2\text{O}$ Cesium carbonite dihydrate.
- 13) $\text{Al}(\text{ClO})_3 \cdot 8\text{H}_2\text{O}$ Aluminum hypochlorite octahydrate.
- 14) $\text{Na}_3\text{PO}_3 \cdot 4\text{H}_2\text{O}$ Sodium phosphine tetrahydrate.
- 15) $\text{CaSO}_4 \cdot 6\text{H}_2\text{O}$ Calcium sulphate hexahydrate.