

§ 2.11 ΧΗΜΙΚΕΣ ΕΞΙΣΩΣΕΙΣ Β ΓΥΜΝΑΣΙΟΥ

vasgogolos@sch.gr

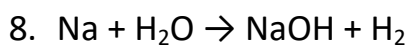
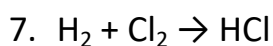
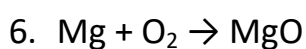
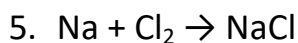
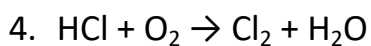
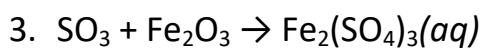
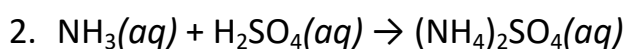
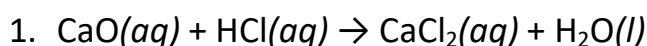
1. Να σημειώσετε τους συντελεστές των παρακάτω χημικών εξισώσεων:

1. $\text{N}_2(g) + \text{H}_2(g) \rightarrow \text{NH}_3(g)$
2. $\text{P}_4(s) + \text{Cl}_2(g) \rightarrow \text{PCl}_3(s)$
3. $\text{H}_2(g) + \text{Cl}_2(g) \rightarrow \text{HCl}(g)$
4. $\text{K}(s) + \text{Cl}_2(g) \rightarrow \text{KCl}(s)$
5. $\text{HgO}(s) \rightarrow \text{Hg}(l) + \text{O}_2(g)$
6. $\text{CaCO}_3(s) \rightarrow \text{CaO}(s) + \text{CO}_2(g)$
7. $\text{KClO}_3(s) \rightarrow \text{KCl}(s) + \text{O}_2(g)$
8. $\text{Zn}(s) + \text{CuSO}_4(aq) \rightarrow \text{ZnSO}_4(aq) + \text{Cu}(s)$
9. $\text{Na}(s) + \text{FeCl}_2(aq) \rightarrow \text{NaCl}(aq) + \text{Fe}(s)$
10. $\text{Al}(s) + \text{HCl}(aq) \rightarrow \text{AlCl}_3(aq) + \text{H}_2(g)$

2. Να σημειώσετε τους συντελεστές των παρακάτω χημικών εξισώσεων:

1. $\text{Fe}(s) + \text{HBr}(aq) \rightarrow \text{FeBr}_2(aq) + \text{H}_2(g)$
2. $\text{Na}(s) + \text{H}_2\text{O}(l) \rightarrow \text{NaOH}(aq) + \text{H}_2(g)$
3. $\text{Mg}(s) + \text{H}_2\text{O}(g) \rightarrow \text{MgO}(s) + \text{H}_2(g)$
4. $\text{AgNO}_3(aq) + \text{NaCl}(aq) \rightarrow \text{NaNO}_3(aq) + \text{AgCl} \downarrow$
5. $\text{Na}_2\text{CO}_3(aq) + \text{Ca}(\text{OH})_2(aq) \rightarrow \text{NaOH}(aq) + \text{CaCO}_3 \downarrow$
6. $\text{BaCl}_2(aq) + \text{HNO}_3(aq) \rightarrow \text{Ba}(\text{NO}_3)_2(aq) + \text{HCl} \uparrow$
7. $\text{NaOH}(aq) + \text{HCl}(aq) \rightarrow \text{NaCl}(aq) + \text{H}_2\text{O}(l)$
8. $\text{H}_2\text{SO}_4(aq) + \text{KOH}(aq) \rightarrow \text{K}_2\text{SO}_4(aq) + \text{H}_2\text{O}(l)$
9. $\text{Ca}(\text{OH})_2(aq) + \text{H}_3\text{PO}_4(aq) \rightarrow \text{Ca}_3(\text{PO}_4)_2 \downarrow + \text{H}_2\text{O}(l)$
10. $\text{N}_2\text{O}_5(aq) + \text{NaOH}(aq) \rightarrow \text{NaNO}_3(aq) + \text{H}_2\text{O}(l)$

3. Να σημειώσετε τους συντελεστές των παρακάτω χημικών εξισώσεων:



4. Να σημειώσετε τους συντελεστές των παρακάτω χημικών εξισώσεων:

