## Answers to questions numbers 5 and 6 in page 274

5. a. 
$$2ZnS + 3O_2 \longrightarrow 2ZnO + 2SO_2$$

**b.** 
$$Fe_2O_3 + 3CO \longrightarrow 2Fe + 3CO_2$$

c. 
$$3AgNO_3 + AlCl_3 \rightarrow 3AgCl + Al(NO_3)_3$$

**d.** 
$$Ni(ClO_3)_2 \longrightarrow NiCl_2 + 3O_2$$

**6. a.** 
$$(NH_4)_2Cr_2O_7 \longrightarrow Cr_2O_3 + N_2 + 4H_2O$$

**b.** 
$$2NH_3 + 3CuO \longrightarrow N_2 + 3Cu + 3H_2O$$

c. 
$$Na_2SiF_6 + 4Na \longrightarrow Si + 6NaF$$

**d.** 
$$2C_4H_{10} + 13O_2 \rightarrow 8CO_2 + 10H_2O$$