1. Na (s) + Cl2 (g) 🡪 NaCl(s)

Atoms reactants Atoms products

Na – 1 Na – 1

Cl – 2 Cl - 1

Add coefficient of 2 to NaCl to balance Cl

Add coefficient of 2 to Na to balance Na

2 Na (s) + Cl2 (g) 🡪 2 NaCl(s)