

*Substitute symbols and formulas for words, then balance each equation.*

1. sodium chloride + lead (II) nitrate → lead (II) chloride + sodium nitrate

2. iron + chlorine → iron (III) chloride

3. barium + water → barium hydroxide + hydrogen

4. When chlorine gas reacts with methane, carbon tetrachloride and hydrogen chloride are produced.

5. When sodium oxide is added to water, sodium hydroxide is produced.

6. In a blast furnace, iron (III) oxide and carbon monoxide gas produce carbon dioxide gas and iron.

7. Iodine crystals react with chlorine gas to produce iodine trichloride.