

Name:

Date:

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

1. sodium chloride + lead (II) nitrate \rightarrow lead (II) chloride + sodium nitrate

2. iron + chlorine \rightarrow iron (III) chloride

- 3. barium + water \rightarrow 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.