

## Word Equations

NAME: \_\_\_\_\_

### Write word equations for the following:

1. When zinc metal and sulfur powder are heated, they form solid zinc sulfide.
2. Aluminum metal plus hydrogen chloride gas yields solid aluminum chloride plus hydrogen gas.
3. Zinc metal plus oxygen gas produces solid zinc oxide.
4. Magnesium metal plus gaseous carbon dioxide yields solid magnesium oxide plus solid carbon.
5. Sodium metal plus chlorine gas combine to form solid sodium chloride.
6. Water vapour is formed from hydrogen gas and oxygen gas.
7. Silverware reacts with the sulfur in the air to become tarnished, producing silver sulfide.
8. Iron reacts with the oxygen in the air to form rust (which is iron oxide).
9. When sodium metal is placed in a beaker of water, hydrogen gas and a sodium hydroxide solution are formed.
10. When zinc metal is placed in a solution of hydrochloric acid, hydrogen gas and a zinc chloride solution are formed.