

Chemistry Word Equations

Write balanced chemical equations for the following reactions:

- ① Sodium oxide reacts with water to form sodium hydroxide.
- ② Zinc reacts with hydrogen chloride to form zinc chloride and hydrogen gas.
- ③ Magnesium metal reacts with carbon dioxide producing magnesium.
- ④ Sodium metal and chlorine gas reacts to produce sodium chloride.
- ⑤ Copper coil reacts with a solution of silver nitrate to produce silver crystals and copper (I) nitrate.
- ⑥ When pellets of lithium hydroxide are added to a solution of sulfuric acid, lithium sulfate and water are formed.
- ⑦ Aluminum bromide and chlorine yield aluminum chloride and bromine.
- ⑧ Sulfuric acid decomposes to form sulfur trioxide gas and water.
- ⑨ Hydrogen and nitrogen monoxide yields water and nitrogen.
- ⑩ Aluminum and hydrochloric acid yield aluminum chloride and hydrogen gas.

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Answers

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- ⑦ Aluminum bromide and chlorine yield aluminum chloride and bromine.



- ⑧ Sulfuric acid decomposes to form sulfur trioxide gas and water.



- ⑨ Hydrogen and nitrogen monoxide yields water and nitrogen.



- ⑩ Aluminum and hydrochloric acid yield aluminum chloride and hydrogen gas.

