

Name: _____

More Practice With Chemical Reactions SNC2D

Note: Chemical equations often contain information on the states of the reactant and products:

(s) for solid, (l) for liquid, (g) for gas, and (aq) for aqueous, i.e. in solution

Ex. Chemists in the 18th century prepared oxygen gas by heating solid mercury (II) oxide, leaving globules of mercury metal.

Write the word equation for this reaction:

Write the balanced chemical equation (including states) for this reaction:

Identify the type of chemical reaction: _____

1. When zinc metal is mixed with aqueous copper (II) sulphate, copper metal and aqueous zinc sulphate are produced.

Write the word equation for this reaction:

Write the balanced chemical equation (including states) for this reaction:

Identify the type of chemical reaction: _____

2. Ammonia, which is a gas, may be synthesized from the reaction of hydrogen and nitrogen gases.

Write the word equation for this reaction:

Write the balanced chemical equation (including states) for this reaction:

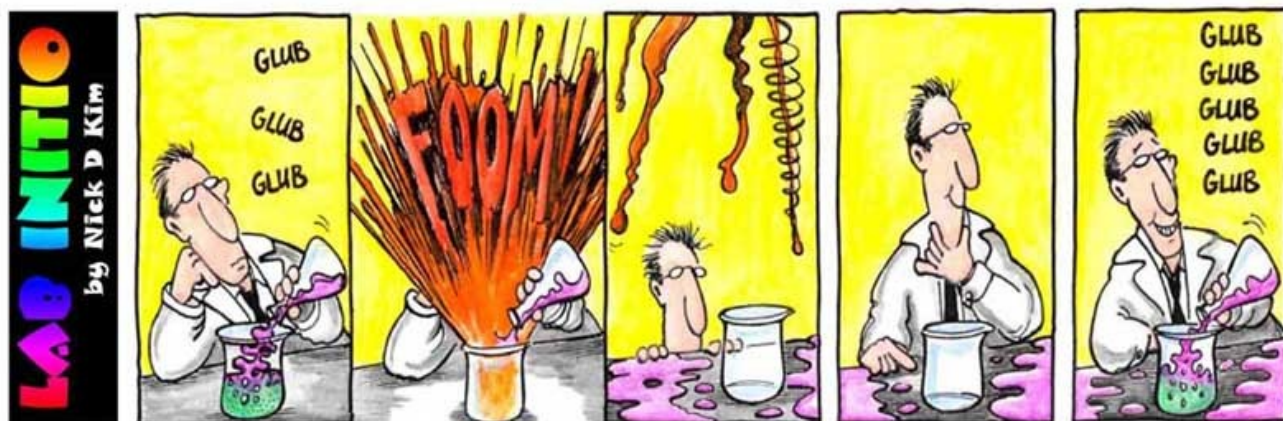
Identify the type of chemical reaction: _____

3. When aqueous aluminum chloride and aqueous sodium hydroxide react, solid aluminum hydroxide and aqueous sodium chloride form.

Write the word equation for this reaction:

Write the balanced chemical equation (including states) for this reaction:

Identify the type of chemical reaction: _____



4. Chlorine gas and sodium metal can be produced by passing an electric current through hot, molten sodium chloride.

Write the word equation for this reaction:

Write the balanced chemical equation (including states) for this reaction:

Identify the type of chemical reaction: _____

5. When aqueous zinc bromide and aqueous silver nitrate react, solid silver bromide and aqueous zinc nitrate are produced.

Write the word equation for this reaction:

Write the balanced chemical equation (including states) for this reaction:

Identify the type of chemical reaction: _____