



Name

QUIZ

question (1) : choose the correct answer :

1. which of the following indicate the occurrence of chemical reaction when iron rust? _____

- a. evolution of gas.
- b. colour change.
- c. formation of precipitate.
- d. occurrence of effervescence.

2. which of the following identifies formula and colour of the precipitate resulting from adding silver nitrate solution to sodium chloride solution?

- a. AgCl/black.
- b. AgCl/white.
- c. $NaNO_3$ /black.
- d. $NaNO_3$ /white.

4. according to the law on conservation of mass, the total mass of the reactants in a reaction is

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- a. doubles the total mass of the products.
- b. greater than the total mass of the products.
- c. equal to the total mass of the products.
- d. less than the total mass of the products.

5. soap is formed from the reaction of

- a. oil with sodium hydroxide solution.
- b. oil with sodium chloride solution.
- c. oil with solid sodium hydroxide.
- d. oil with solid sodium chloride.

question (2): answer the following question :

Write the balanced symbolic equations expressing the following reactions, including the physical state of the substances and the reaction conditions:

- (1) Combustion of ethane gas C_2H_6 in oxygen to form condensed water vapour and carbon dioxide.
- (2) Heating mercury oxide powder HgO strongly to form mercury and oxygen gas.
- (3) Reaction of magnesium with dilute sulphuric acid to form magnesium sulphate salt dissolved in water and hydrogen gas bubbles.