Checkpoint Questions

Science 10

Name:

1. What kind of evidence would you look for if you were determining if a chemical change occurred?

Produces Bubbles, Turns cloudy, Temperature Change, Colour Change, Change in smell or taste

1. What kind of evidence would you look for if you were determining if a physical changed occurred?

Melting, Boiling, Breaking, Cutting, Dissolving

1. The law of conservation of mass states that mass is conserved in a chemical reaction; the total mass of the products is equal to the total mass of the reactants in a chemical reaction.

How does this statement relate to balancing equations?

Atoms are not created or destroyed. The atoms arrangement can change to create new substances and break bonds and form new bonds. Although during a chemical reaction the atoms we start with are the same as the atoms we end with, these atoms may form a new chemical structure.

1. Balance the following equations:

2 Fe + 3Br2 2 FeBr3

2 Li + 1 Br2  2 LiBr