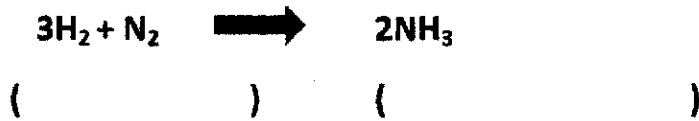


VI. What happens when atoms form or break bonds?

A. Chemical reactions= process of _____ **chemical bonds**

B. During chemical reactions, reactants go to products:



C. Equations must be _____

D. Mass cannot be created or destroyed. ()

E. Chemical reactions can create _____ more complex than the _____

VII. What are the chemical reactions important for life?

A. Photosynthesis:



➤ Photosynthesis converts _____ to _____ by converting carbon dioxide and water into sugar (glucose) and oxygen.

B. Cellular Respiration



➤ Cellular respiration is what cells do to _____ sugars () into a form that the cell can use as energy.

VIII. In closing, Matter in Ecosystems

A. Matter is _____ throughout the ecosystem.

B. The elements carbon, hydrogen, oxygen, nitrogen (96% _____) make up the molecules of living things.

C. Every organism needs molecules like _____ and _____ to provide the raw building materials for their cells.