

I. Write the letter of the correct answer.

- _____ 1. It is a chemical reaction where a substances changes because oxygen is added.
a. Fermentation c. Combustion
b. Oxidation
- _____ 2. It is a rapid chemical combination of a substance with oxygen.
a. Fermentation c. Combustion
b. Oxidation
- _____ 3. It is produced in the form of light and heat.
a. Energy c. Oxygen
b. Fuel
- _____ 4. It is a natural, necessary and useful chemical reaction.
a. Fermentation c. Combustion
b. Oxidation
- _____ 5. It produces alcohol and carbon dioxide
a. Fungi c. Acid
b. Bacteria
- _____ 6. It produces lactic acid and carbon dioxide.
a. Fungi c. Bacteria
b. Acid
- _____ 7. It is a reddish-brown substance that easily breaks apart and usually makes the original object useless.
a. Rust c. Bacteria
b. Fungi
- _____ 8. A precipitate is a solid that forms when two solutions are combined.
a. Precipitate formation c. Energy change
b. Gas formation
- _____ 9. Some chemical reactions produce gas as a product.
a. Precipitate formation c. Energy change
b. Gas formation
- _____ 10. Some chemical reactions either produce or absorb energy.
a. Precipitate formation c. Energy change
b. Gas formation

II. Write TRUE if the statement is correct and FALSE if it is incorrect.

- _____ 1. Chemical reactions such as fermentation, oxidation and combustion occur in nature as well in laboratory.
- _____ 2. The original substances are called reactants.
- _____ 3. Air is about 18% oxygen.
- _____ 4. Heat or thermal energy must be added for combustion to take place.
- _____ 5. In order for something to burn, there must be oxygen, fuel and smoke.
- _____ 6. Chemical reaction usually involves a change in appearance or energy.
- _____ 7. The new product formed from a chemical reaction can be only be separated again by another chemical reaction.
- _____ 8. In precipitation formation chemical reaction produce gas as a product.
- _____ 9. Energy change is when chemical reactions either produce or absorb energy.
- _____ 10. In fire triangle if one side is removed the fire will go out.