

Name: _____ Period: _____ Date: _____

Chemical and Physical Change Assignment – Student Edition

I. Vocabulary Match Up

Match the definition with the correct term.

Definition	Term
1. Another name for a chemical change.	a) Chemical change
2. Burning a substance in the presence of oxygen.	b) Reactants
3. A change in the physical properties of a substance but not the chemical properties.	c) State of matter
4. New substances with different chemical properties being produced.	d) Physical change
5. Solid, liquid or gas.	e) Products
6. A change that cannot be 'undone'	f) Combustion
7. Substances which are changed in a chemical reaction.	g) Reversible
8. Substances which are made during a chemical reaction.	h) Chemical reaction
9. The structure of the molecules involved in a reaction.	i) Irreversible
10. A change that can be 'undone'	j) Chemical Composition

II. Complete the sentences.

1. Chemical changes occur when _____ substances are _____, and new substances are _____.
2. Physical changes retain the _____ of a substance but may change their physical _____.
3. Substances which undergo a chemical change will have different _____ and _____ properties than they did before the change occurred.
4. Bubbles, _____, and color changes are evidence that a _____ change has occurred.

III. True or False?

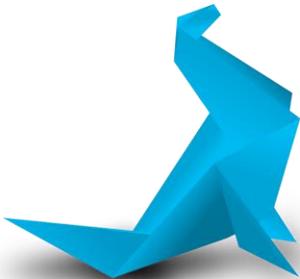
1. In chemical reactions new substances are produced.
2. A chemical reaction is another name for a physical change.

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3. The substances you end up with after a reaction are called reactants.
4. If a substance catches on fire, then a chemical reaction is occurring.
5. Water boiling is a chemical change because there is a new substance formed – water vapor.

IV. Classifying Changes.

Decide if each of the situations below is an example of a physical or chemical change.

		
1. Breaking glass	2. Exploding dynamite	3. Photosynthesis
		
4. Folding paper	5. Dough rising	6. Clothes drying