

Identify the changes. Write PHYSICAL or CHEMICAL.



Complete the text about chemical changes using the words in the box:

transformed

reaction

irreversible

properties

When two substances combine in a chemical _____, a new substance is produced. This new substance has different _____ from the substances that combine to produce it. The new substance cannot be _____ back into its original components either. This is because a chemical reaction is an _____ change.

Choose the correct option in each sentence.

- Chemical changes are _____ changes to substances.
 - a) reversible
 - b) irreversible
- The process in which two or more substances combine chemically is a _____.
 - a) reaction
 - b) combination
- The reactions that produce thermal energy are called _____.
 - a) exothermic
 - b) endothermic
- Combustion produces thermal, light, sound energy and also _____.
 - a) other substances
 - b) sulphur and ice
- Combustion can cause many problems, such as global warming or _____.
 - a) oxidation
 - b) acid rain

Complete the definitions:

- a) An endothermic reaction is a chemical reaction that absorbs _____.
- b) An exothermic reaction is a chemical reaction that _____ thermal _____.
- c) Combustion is a chemical reaction in which _____ and _____ combine. _____, _____ and _____ are produced during combustion.