



Name: \_\_\_\_\_

Grade & Section: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_



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## Changes in Materials Due to Heat and Oxygen

Write the letter of the correct answer on the blank before the number.

- \_\_\_\_\_ 1. This refers to a change in a physical property of an object, such as size or shape.  
A. Physical change  
B. Chemical change  
C. Temporary change  
D. Permanent change
- \_\_\_\_\_ 2. These are all physical changes EXCEPT:  
A. Metal twisting  
B. Metal rusting  
C. Metal getting flattened  
D. Metal getting sharpened
- \_\_\_\_\_ 3. Which of these is a clue that the change is physical, not chemical?  
A. Color change  
B. Bubbling  
C. Reversible  
D. Odor
- \_\_\_\_\_ 4. Which of these is a chemical change?  
A. Paper being burned  
B. Paper being folded  
C. Paper being cut  
D. Paper being crumpled
- \_\_\_\_\_ 5. A chemical change results in the production of a new substance.  
A. True  
B. False
- \_\_\_\_\_ 6. Both physical and chemical changes can occur when heat is applied.  
A. True  
B. False
- \_\_\_\_\_ 7. Which of these happens in the presence of oxygen?  
A. Combustion  
B. Enzymatic browning  
C. Rusting  
D. All of the above
- \_\_\_\_\_ 8. Iron is galvanized (coated with zinc) to protect it from the changes caused by...  
A. Heat  
B. Oxygen  
C. Polyphenol oxidase  
D. None of the above
- \_\_\_\_\_ 9. Which of these is NOT a possible result of cutting down too many trees?  
A. Floods  
B. Soil erosion  
C. Decrease in fish population  
D. None of the above
- \_\_\_\_\_ 10. What does NOT happen when we burn garbage?  
A. Toxic chemicals are released.  
B. The greenhouse effect lessens.  
C. It contributes to global warming.  
D. None of the above