

Learning Target: I can describe and explain the differences between a chemical and a physical change.

Chemical vs. Physical Changes Video Notes



1. When a piece of paper is cut in half, this is just a \_\_\_\_\_ because the paper did not change into another substance. When an egg is \_\_\_\_\_, the iron in the egg yolk \_\_\_\_\_ with hydrogen sulfide to form \_\_\_\_\_. This leads to the yolk \_\_\_\_\_ color from yellow to green and the white of the egg remaining the same. This is a type of \_\_\_\_\_

2. How do we know boiling an egg is a chemical change? \_\_\_\_\_

Physical Changes

3. When you melt ice it is a \_\_\_\_\_, because its composition or what it is made of \_\_\_\_\_ change.

4. A physical change is a change to a sample of \_\_\_\_\_ in which some properties of the material change, but the \_\_\_\_\_ of the matter or what it is made of \_\_\_\_\_ change.

5. Physical changes can be further classified as \_\_\_\_\_ or \_\_\_\_\_. A reversible physical change can be \_\_\_\_\_ to its \_\_\_\_\_ form. **Give an example of a reversible physical change....** \_\_\_\_\_

6. Physical changes that involve a change of \_\_\_\_\_ are all \_\_\_\_\_. Other changes in the state of matter include \_\_\_\_\_ or \_\_\_\_\_ from a liquid to a gas when more \_\_\_\_\_ is added. \_\_\_\_\_ From a liquid to a solid when heat is \_\_\_\_\_ and condensation going from a \_\_\_\_\_ when more heat is removed.

7. Why is dissolving a physical change? \_\_\_\_\_  
Why is dissolving salt a physical change? \_\_\_\_\_

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8. Can an irreversible physical change be changed back into its original form? \_\_\_\_\_

9. Give an example of an irreversible physical change. \_\_\_\_\_

**Chemical Changes**

10. A chemical change occurs whenever matter \_\_\_\_\_ into an entirely \_\_\_\_\_ substance with different \_\_\_\_\_ properties. A chemical change is called a \_\_\_\_\_.

11. What are three ways you can tell that fireworks are examples of chemical changes? \_\_\_\_\_

12. What are three ways you can tell that a chemical change has occurred? \_\_\_\_\_

13. Most chemical changes \_\_\_\_\_ be undone or reversed.

14. What are three differences between chemical and physical changes? \_\_\_\_\_

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