

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? _____
