| **Physical and Chemical Changes** | |
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| **Complete the activities in this order.** | **As you do the activities, answer these questions.**  Type your answers in a different color. |
| **Watch and Listen** |  |
| <https://www.youtube.com/watch?v=x49BtB5dOwg> | 1. What is a physical change? Changing in size shape and structure 2. What is an example of a physical change? Cutting your hair will change its physical form 3. How can water be an example of a physical change? Freezing it 4. What are three indicators of a chemical change? Heat combining and gasses release 5. Can a chemical change be undone? No 6. What is a chemical change? Particles of two or more substances are formed to make a new substance 7. What is one example of a chemical change? Burning wood makes ash 8. What are 4 facts about chemical changes? Metal rusting fireworks exploding fruits ripening and digesting food 9. What are 4 facts about physical changes? Does not form a new substance may change in shape of size may change state of matter can often be undone |
| **Read** |  |
| Click the image to access the link    I  [Matter: Chemical vs. Physical Changes](http://www.chem4kids.com/files/matter_chemphys.html) | 1. What are physical changes usually about? States of matter 2. What interacts to cause chemical changes? molecular 3. Is crushing a can a physical or chemical change? Why? Physical it changed its size and form 4. Is burning a sugar cube a physical or chemical change? Why? Physical because sugar will not mix 5. How is iron rusting a chemical change? Its called iron oxide |
| **Watch** |  |
|  | 1. What are five indicators of a chemical change? Fizzing, odor, temperature, color and precipitate 2. How does fizzing (producing a gas) occur? When gas is released 3. What are two examples of a chemical change producing an odor? Baking cake or smelling vineager 4. What is an example of a chemical reaction causing a color change? Cabbage juice mixed with different chemicals 5. What is an example of a chemical change when the temperature increases? fire 6. What is an example of a chemical change when the temperature decreases? snow 7. What is a precipitate? Solid forms from mixed liquids |
| **Identify As A Physical or Chemical Change** | |
| **QUESTION ANSWER and WHY** | |
| Glass Breaking | **physical** |
| Snowman Melting | **physical** |
| Cake Baking | **chemical** |
| Volcano Exploding | **chemical** |
| Food Digesting | **chemical** |
| A haircut | **physical** |
| **Finish Early?** | |
| Use the link to the right to review physical and chemical changes. | <https://quizlet.com/433224942/match> |