| **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
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| **Read** |  |
| Click the image to access the linkI[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
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| **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
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| **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> |