| **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** |  |
| [Physical and Chemical Changes: Chemistry for Kids - FreeSchool](https://www.youtube.com/watch?v=x49BtB5dOwg) | 1. What is a physical change?   Something that changes the physical properties of a substance -size-shape, or form.   1. What is an example of a physical change? Making a shirt because they are changing the size of the shirt when making it. 2. How can water be an example of a physical change? Water is a good example because the changes can be undone and it will always go back to its original form 3. What are three indicators of a chemical change? Heat,the release of gas and color change 4. Can a chemical change be undone?   No a chemical change can not be undone   1. What is a chemical change?   A reaction that rearranges the particles of two or more substances to create at least one new substance   1. What is one example of a chemical change?   When burning wood is is transformed into a new substance called ash   1. What are 4 facts about chemical changes?   Change of color,releases of gas,smoke and products odor   1. What are 4 facts about physical changes?   1.do not form a new substance  2.may change shape or size  3.may change state of matter  4.can often be undone |
| **Read** |  |
| Click the image to access the link    I  <http://www.chem4kids.com/files/matter_chemphys.html> | 1. What are physical changes usually about? 2. What interacts to cause chemical changes? 3. Is crushing a can a physical or chemical change? Why? 4. Is burning a sugar cube a physical or chemical change? Why? 5. How is iron rusting a chemical change? |
| **Watch** |  |
|  | 1. What are five indicators of a chemical change? 2. How does fizzing (producing a gas) occur? 3. What are two examples of a chemical change producing an odor? 4. What is an example of a chemical reaction causing a color change? 5. What is an example of a chemical change when the temperature increases? 6. What is an example of a chemical change when the temperature decreases? 7. What is a precipitate? |
| **Identify As A Physical or Chemical Change** | |
| **QUESTION ANSWER and WHY** | |
| Glass Breaking |  |
| Snowman Melting |  |
| Cake Baking |  |
| Volcano Exploding |  |
| Food Digesting |  |
| A haircut |  |
| **Finish Early?** | |
| Use the link to the right to review physical and chemical changes. | <https://quizlet.com/433224942/match> |