| **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?   Something that changes the physical properties of an object or substance as size, shape, or form   1. What is an example of a physical change?   Cutting a piece of cloth   1. How can water be an example of a physical change?   The change can be undone   1. What are three indicators of a chemical change?   Color Change, Odor production, Gas release,   1. Can a chemical change be undone?   No, they cannot 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 you burn wood, it transforms into a new substance   1. What are 4 facts about chemical changes?   -You cannot undo a chemical change  -Chemical changes take place all around us  -Chemical Change produces Odor  -They release Gas   1. What are 4 facts about physical changes?   -You can undo Physical Change  -Physical Change changes states of matter  -Does not create new substance  -Not all mixtures are easy to seperate |
| **Read** |  |
| Click the image to access the link    I  <http://www.chem4kids.com/files/matter_chemphys.html> | 1. What are physical changes usually about?   Physical Change is usually about physical states of matter   1. What interacts to cause chemical changes?   When you have 2 or more molecules that interact or when atomic bonds are broken or created during chemical reactions   1. Is crushing a can a physical or chemical change? Why?   It’s a physical change because you only changed the shape of the can   1. Is burning a sugar cube a physical or chemical change? Why?   It’s also a physical change because the substance is still sugar   1. How is iron rusting a chemical change?   It’s chemical change because the molecules change their structure as the iron is oxidized |
| **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> |