| **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 a substance.   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 2. What are three indicators of a chemical change?   Gas,odor,change,temperature change   1. Can a chemical change be undone?   Usually can not be undone   1. What is a chemical change?   Chemical changes occur when a substance combines with another to form a new substance   1. What is one example of a chemical change?   burning   1. What are 4 facts about chemical changes?   Always form a new substance, may absorb or release heat,may change color or produce odor, create sound or realise gas, usually can not be undone   1. What are 4 facts about physical changes?   Do not form new substances, may change shape or size, ,may change state of matter, 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? Physical states of matter 2. What interacts to cause chemical changes? When atomic bonds are broken or created during chemical reactions. 3. Is crushing a can a physical or chemical change? Why? It’s a physical change because you can only change the shape of the can. 4. Is burning a sugar cube a physical or chemical change? Why? It’s a physical change because the substance is still sugar. 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> |