| **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 substances.**   1. What is an example of a physical change? **Cutting a piece of cloth is an example of a physical change.** 2. How can water be an example of a physical change?  **The change can be undone** 3. What are three indicators of a chemical change? **A mixture that absorbs heat, Changes color, and produces an odor.** 4. Can a chemical change be undone?   **The change 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 , the wood is transformed into a new substances - ash.** 2. What are 4 facts about chemical changes? 1.**Chemical changes always form a new substance. 2.may absorb or release heat. may change color, produce odor, or produce light. 3. Usually cannot be undone. 4.Create sound.** 3. What are 4 facts about physical changes? 1. **Does 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?  **Physical changes usually about States of matter.** 2. What interacts to cause chemical changes? **Chemical changes happen when a molecular level when you have two or more molecular that interact.** 3. Is crushing a can a physical or chemical change? Why? **Its is a physical cause you put force into it** 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> |