| **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 linkI<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?
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| **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?
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| **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> |