| **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?

When something changes like its appearance or shape, but is still the same material.1. What is an example of a physical change?
2. How can water be an example of a physical change?

Water can be turned into ice and be different but it's still just water.1. What are three indicators of a chemical change?

When a new substance is formed, When something changes color, and when it produces gas.1. Can a chemical change be undone?

No.1. What is a chemical change?

When a new substance is formed.1. What is one example of a chemical change?

Wood burning.1. What are 4 facts about chemical changes?

You can't reverse it, it can change color, It can produce gas, and it makes new substances.1. What are 4 facts about physical changes?

It changes form, Shape, size, but it's still the same material. |
| **Read** |  |
| Click the image to access the linkI<http://www.chem4kids.com/files/matter_chemphys.html> | 1. What are physical changes usually about?

When it changes form, shape, or size.1. What interacts to cause chemical changes?

molecules.1. Is crushing a can a physical or chemical change? Why?

Physical because it's still a can, just a different shape.1. Is burning a sugar cube a physical or chemical change? Why?

Chemical because you,ll burn the sugar and it will change color and substance.1. How is iron rusting a chemical change? It changes color.
 |
| **Watch** |  |
|  | 1. What are five indicators of a chemical change?

Fizzing, Odor, temperature,color,precipatate.1. How does fizzing (producing a gas) occur?

When gas is released.1. What are two examples of a chemical change producing an odor?

Cake baking, or food going rotten.1. What is an example of a chemical reaction causing a color change?

When you put kool-aid powder in water.1. What is an example of a chemical change when the temperature increases?

When it's summer so it's hotter outside.1. What is an example of a chemical change when the temperature decreases?

When it’s winter, and it's cold outside.1. What is a precipitate?

A solid that settles after mixing certain liquids |
| **Identify As A Physical or Chemical Change** |
|  **QUESTION ANSWER and WHY** |
| Glass Breaking | **Physical because it’s still glass.** |
| Snowman Melting  | **Physical because it’s going back to water.** |
| Cake Baking | **Chemical because it changes odor and temperature.** |
| Volcano Exploding | **Chemical because it gets hot.** |
| Food Digesting | **Physical because it's still the same food.** |
| A haircut | **Physical because you have the same hair just different shape.** |
| **Finish Early?**  |
| Use the link to the right to review physical and chemical changes.  | <https://quizlet.com/433224942/match> |