| **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 undone1. What is a chemical change?

Chemical changes occur when a substance combines with another to form a new substance1. What is one example of a chemical change?

burning1. 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 linkI<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?
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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> |