| **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 an object or substance as size, shape, or form1. What is an example of a physical change?

 Cutting a piece of cloth1. How can water be an example of a physical change?

 The change can be undone 1. What are three indicators of a chemical change?

 Color Change, Odor production, Gas release, 1. Can a chemical change be undone?

 No, they cannot be undone1. 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, it transforms into a new substance1. What are 4 facts about chemical changes?

-You cannot undo a chemical change-Chemical changes take place all around us-Chemical Change produces Odor-They release Gas1. What are 4 facts about physical changes?

-You can undo Physical Change-Physical Change changes states of matter-Does not create new substance-Not all mixtures are easy to seperate |
| **Read** |  |
| Click the image to access the linkI<http://www.chem4kids.com/files/matter_chemphys.html> | 1. What are physical changes usually about?

Physical Change is usually about physical states of matter1. What interacts to cause chemical changes?

When you have 2 or more molecules that interact or when atomic bonds are broken or created during chemical reactions1. Is crushing a can a physical or chemical change? Why?

It’s a physical change because you only changed the shape of the can1. Is burning a sugar cube a physical or chemical change? Why?

It’s also a physical change because the substance is still sugar1. How is iron rusting a chemical change?

It’s chemical change because the molecules change their structure as the iron is oxidized |
| **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> |