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| Is it a Chemical Reaction | Grade 5, Understanding Matter and Energy |
| Handout - Answer Sheet |

1. What indicates a physical reaction?

During a physical change, the substance has changed, such as chane in state of matter, but it has not become a new substance.

1. What indicates a chemical reaction?

During a chemical change, a new substance if formed..

Signs of a chemical change (that a new substance was formed) include:

* Formation of a gas - bubbles
* Change in colour
* Change in pH
* Change in temperature - either increase or decrease
* Formation of new solid or liquid
* Appearance of light
1. From the list below, identify whether it is a physical or a chemical change.

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| Activating a cold pack | Chemical |
| Burning a log in a camp fire | Chemical |
| Evaporating alcohol | Physical |
| Activating a hot pack | Chemical |
| Ice melting | Physical |
| Dissolving sugar in water | Physical |
| A rust spot on a car | Chemical |
| Dropping a Mentos candy into a coke bottle | Physical |
| Mixing baking soda and vinegar | Chemical |