

## Lesson: Why do some things explode?

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<b>chemical reaction (chemical change)</b>	a process where two or more substances mix to form a new substance with different properties
<b>control</b>	something in an experiment that you do not change
<b>evidence</b>	information that can be used to support or reject an idea
<b>explosion</b>	when something bursts outwards
<b>fair test</b>	an experiment where everything is kept exactly the same in each setup, except for one thing
<b>gas</b>	a state of matter that spreads out to completely fill a space
<b>investigation</b>	a process used to figure out the answer to a question or to understand how something works
<b>liquid</b>	a state of matter that takes the shape of its container
<b>matter</b>	anything that takes up space and has weight; can be in different forms such as solid, liquid, or gas
<b>mixture</b>	a combination of two or more things
<b>property</b>	something you can observe about an object or material
<b>solid</b>	a state of matter that holds its shape
<b>states of matter</b>	the different forms of matter that include solid, liquid, and gas
<b>substance</b>	a material that has specific properties
<b>trials</b>	repeated tests in an experiment
<b>variable</b>	something that you can change in an experiment in order to test an idea