Chemical Reactions

What happens to atoms when a chemical reaction takes place?

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Keyword:
Definition:

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What is a chemical reaction?

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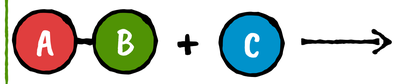
What might you observe from a chemical reaction?

Complete the diagrams below to show how atoms might rearrange in chemical reactions:

Reaction 1:

Reaction 2:



Reaction 3:

How does the number of atoms before the arrow compare with the number of atoms after the arrow in a chemical equation?

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Some chemical reactions happen very quickly, but others are much more ..... . Sometimes, if we want a slow reaction to happen quickly, we can use a ..... . These help speed up the reaction, but they are not ..... in the reaction, and can be ..... . Different reactions require ..... catalysts.

List examples of useful chemical reactions:

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Describe one chemical reactions that has been useful to you today:

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