

Introduction to chemistry

1. What is chemistry?

- DNA is a chemical
- mixing chemicals - combining substances or reacting substances
- mixing substances - salt and water = salt water
nothing changes
- saltwater is a homogenous mixture (looks all the same)
- all solutions are homogenous mixtures (coffee, vinegar)

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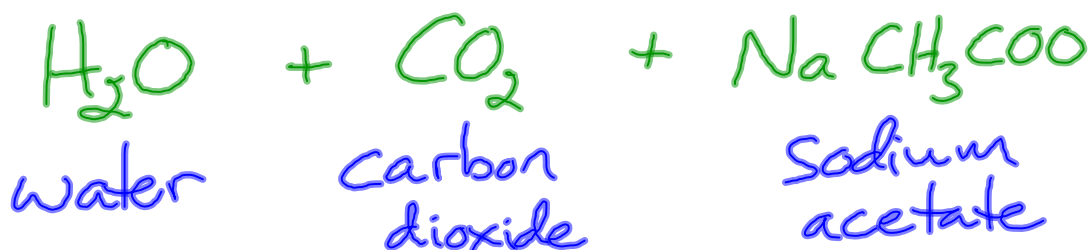
- mixing vinegar and baking soda causes a chemical reaction
- a chemical reaction makes a new substance

Ex.



(Vinegar) + (baking soda)

makes



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— chemical reactions rearrange
the atoms of chemicals to
make new chemicals

— Explosions !!

Solid → gas
small volume large volumes

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