

# Teaching to Standards: Science

# Student Response Guide

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# What is this?



**salt**



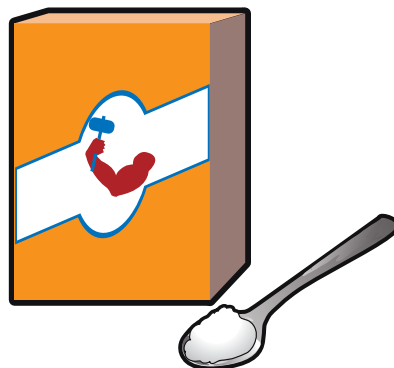
**sand**



**liquid**



**flour**

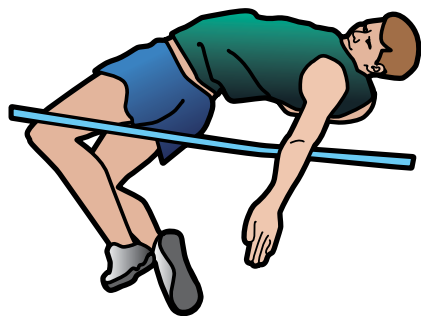


**baking soda**



**a rock**

## What do you know?



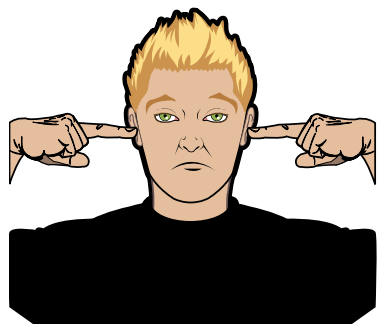
**It jumps.**



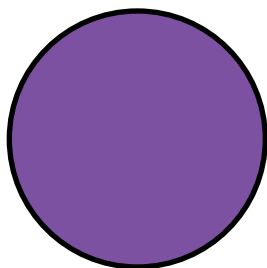
**It's sticky.**



**It's dry.**



**It's loud.**



**It's purple.**



**It's wet.**

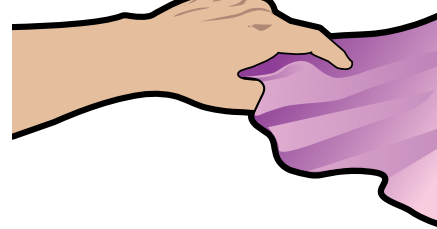
# What do you want to know?



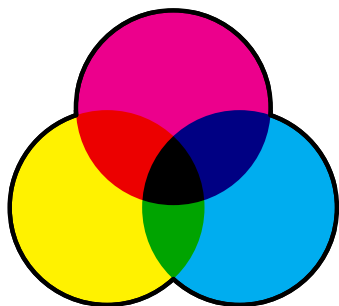
What will happen  
if we mix them together?



What do they sound like?



What do they feel like?



What colors are they?



What do they smell like?



What do they cost?

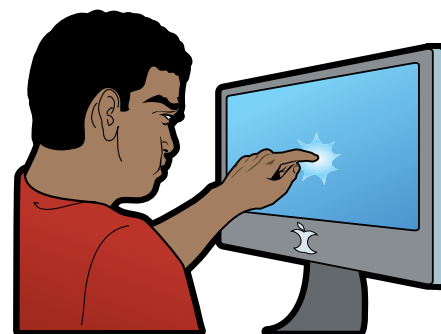
## How can we find out?



**Listen to them.**



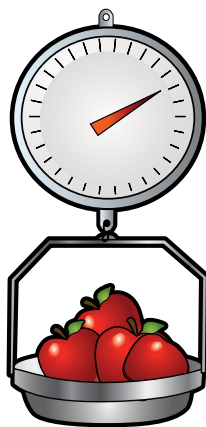
**Mix them.**



**Touch them.**



**Look at them.**

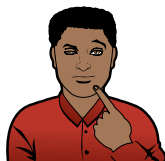


**Weigh them.**



**Talk to them.**

# What do you think will happen?



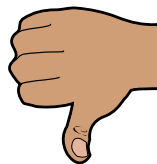
Do you think the solutes will have the same



reaction when we mix them with the solvent?

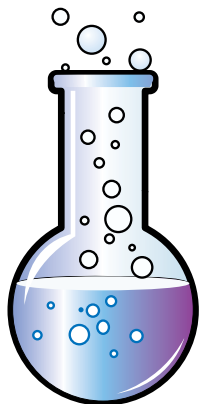


yes

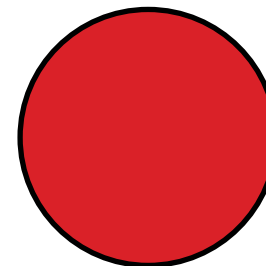


no

## What's the same?



**All bubbled.**



**All are red.**

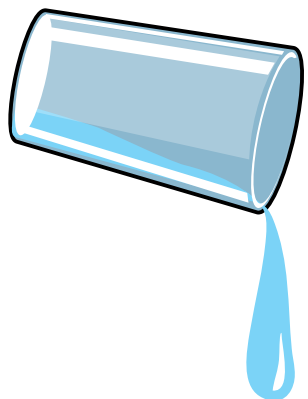


**All are mixtures.**



**All are liquids.**

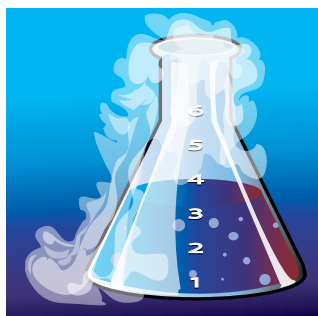
# What's different?



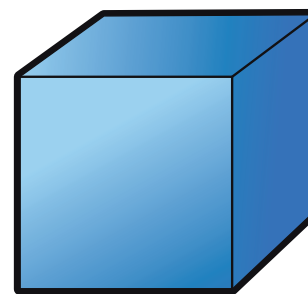
Some are liquids.



Some are mixtures.



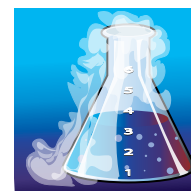
One had a bubbly reaction.



Some are solids.

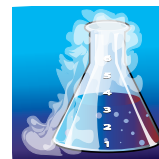


# What scientific discovery did we make?



Some mixtures have a chemical reaction.

## What did we find out?



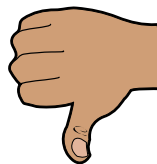
Did all the solutes have a chemical reaction



when we mixed them in the solvent?

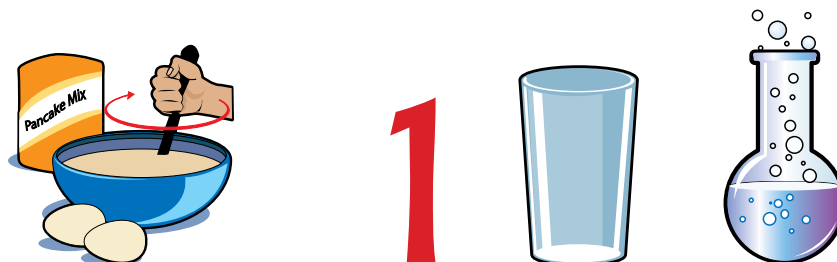


yes



no

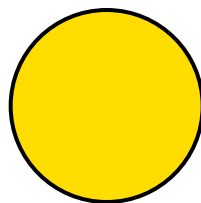
# Why?



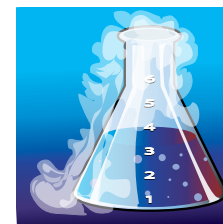
Why did the mixture in one cup bubble?



It was cooked.



It was yellow.

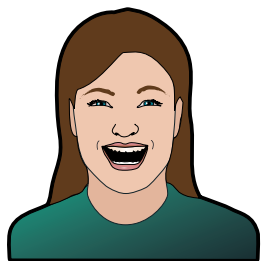


It had a chemical reaction.

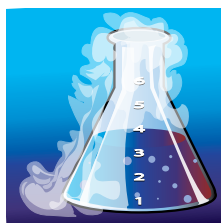
# What did we learn?



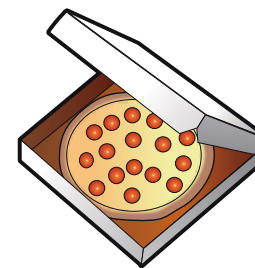
Some mixtures have a \_\_\_\_\_.



laugh



chemical reaction



pizza