

EXPERIMENT

Question: Are all kitchen ingredients soluble?

sugar, coffee, pepper, sand, flour, salt, curry powder, pepper powder



1 cup of warm water

1 tablespoon of each material

Stir for 1 minute

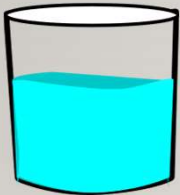


Ingredient	Soluble	Insoluble
Salt	✓	
Thyme		✓
Flour		
Pepper powder		
Curry powder		
Sand		
Pepper		
sugar		
Coffee		



★★ Extension

Does heat have an effect on solubility?



You will need soluble ingredients

- Cups of hot/warm water
- Cups of cold water
- Timer



Cold water	
Ingredient	Time to dissolve (seconds)

Hot/warm water	
Ingredient	Time to dissolve (seconds)



How will you conduct your experiment? Remember to make it fair.