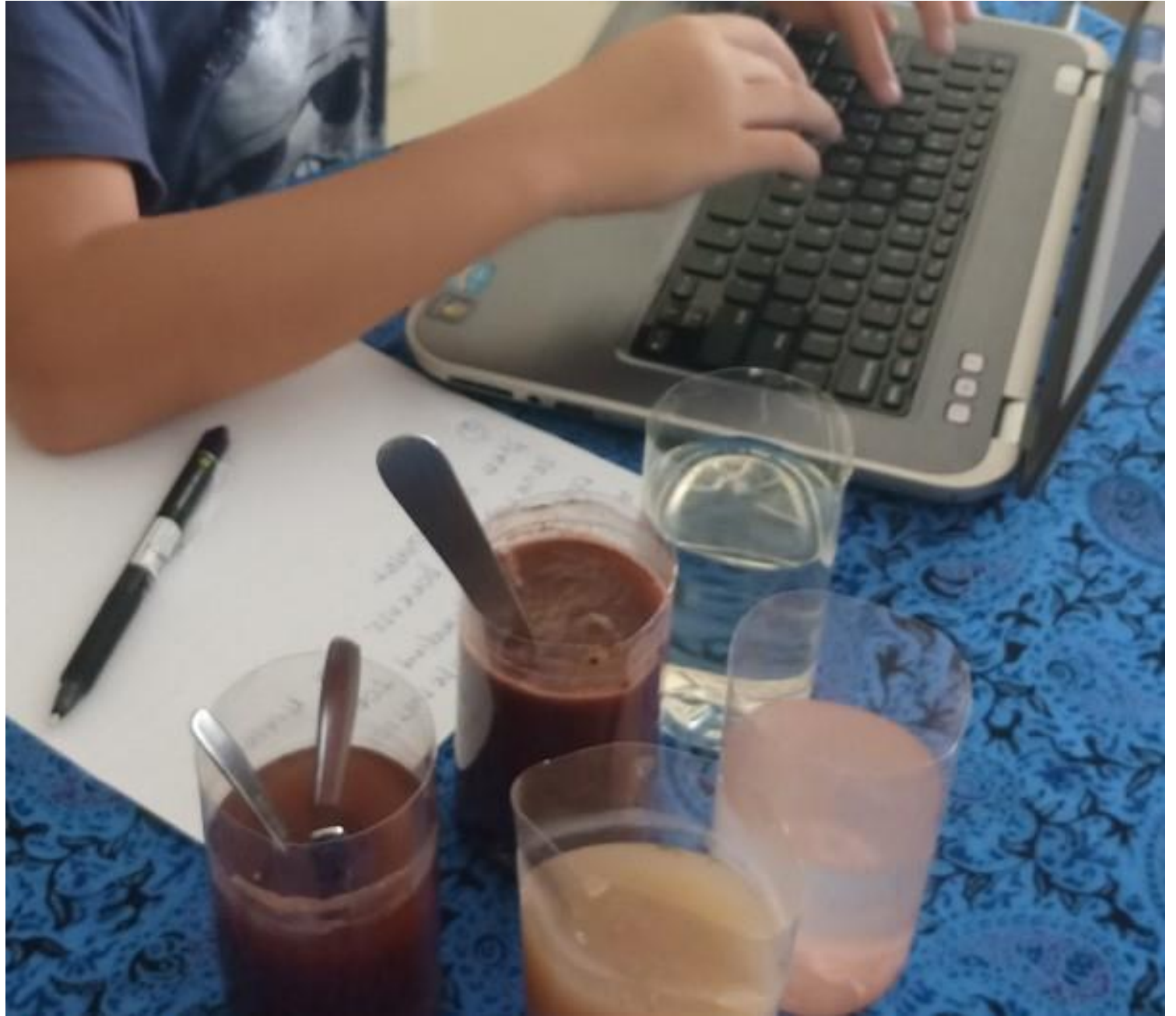
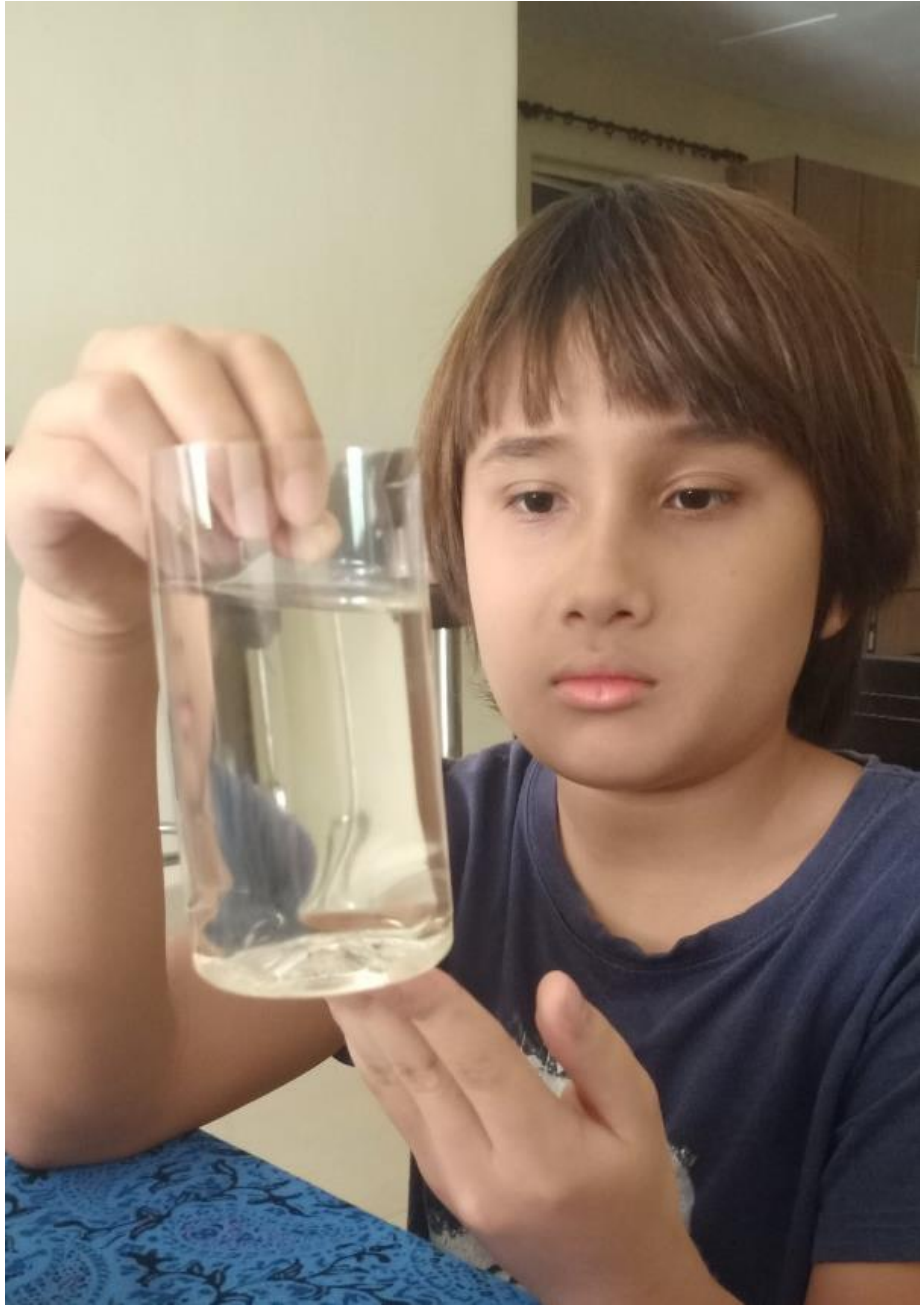


CM1

Science Experiments

**Mixtures and  
Solutions**







**Before the experiments : Hypothesis**

I think the substances which :

1. mix together well with water will be chocolate powder,
2. won't mix very well together with water will be salt, sugar
3. won't mix together at all with water will be small stones, rice

**After the experiments, here are the results : Conclusions**

The substances that mix together well are :	The substances that didn't mix together well are :	The substances that didn't mix together at all are :
<u>salt, sugar, aka chocolate powder</u>	<u>soil</u>	<u>rice, small stones</u>

During this challenge I asked myself the following questions :

Which one of the substances will dissolve the fastest?

I will explain, with a drawing, the steps that I followed to do the experiment :



When the two components don't mix together completely, we can see a deposit (at the bottom of the cup), we can easily see the two components.

**Challenge 1 – some mixtures with water:**

Please record the results of your experiment in a table like this :

	Coloured	Non- Coloured	homogeneous	heterogeneous
Water + salt		✗	✗	
Water + sugar		✗	✗	
Water + sand				
Water + stones		✗		✗
Water + soil	✗			
Water + choc power	✗		✗	

ZELIE















### Challenge No2 :

#### The solution gives you the solution !

Experiment 1. Explain what you will do to try to solve this challenge.  
Expliquez ce que vous allez faire pour tenter de réussir ce défi.

Je mets le sel dans le filtre.  
Je renverse de l'eau sur le sel et je récolte de l'eau salée dans mon gobelet. Problème : c'est long.

Did you solve this challenge with the first try? Yes **No**  
Avez-vous réussi ce défi avec cette première expérience?  
Oui **(Non)** ça pourrait marcher mais c'est très long.  
Experiment 2. Explain what you will do this time. How is it different from the first try?  
Expliquez votre deuxième protocole expérimental en vous appuyant sur les résultats obtenus lors de la première expérience.

Je dissous le sel dans mon gobelet plein d'eau. Je fais passer le sel dissout dans l'eau à travers le filtre.

Did you solve this challenge with the second try? Yes **No**  
Avez-vous réussi ce défi avec cette deuxième expérience?  
Oui **(Non)**

**Conclusion :** How did you solve the challenge or how did you try?  
Comment avez-vous réussi ce défi ou comment pourriez-vous le réussir?

En dissolvant le sel dans l'eau.

### Challenge No 1 : The challenge where we mix everything together !

Before the experiments : Hypothesis

I think the substances which :

1. mix together well with water will be powder, sugar and salt
2. won't mix very well together with water will be soil and sand
3. won't mix together at all with water will be cotton tige and rice

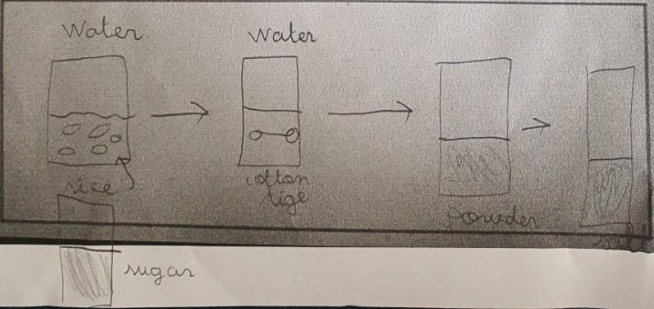
After the experiments, here are the results : Conclusions

The substances that mix together well are :	The substances that didn't mix together well are :	The substances that didn't mix together at all are :
powder, sugar and salt	did not have at home (soil and sand)	matrice, sucre, cotton tige

During this challenge I asked myself the following questions :

It will work 100% sure.

I will explain, with a drawing, the steps that I followed to do the experiment :



Exp	Hyp.	Exp	Résultat
Eau + haricot	Je pense que les haricots vont flotter.		Les haricots restent au fond.
<del>Eau</del> Eau + sel	Je pense que le sel va se mélanger avec l'eau.		L'eau et le sel se mélangent.
Eau + Sucre	Je pense que le sucre va aller au fond.		L'eau et le sucre se mélangent.
Eau + riz	Je pense que le riz va flotter.		Le riz fait un petit tas.
Eau + graines	Je pense qu'elle vont aller au fond.		Les graines de chia sont en haut et en bas.

# Rafaél

# Aline

# Ava































