

Name_____

Date_____

HOME/SCHOOL CONNECTION

Making & Separating Mixtures

1. Define Mixture:
2. Define Solution:
3. Can a mixture be separated? _____ How?
4. Can a solution be separated? _____ How?

Will it dissolve?

Try to make solutions using water and other solids around your home. Some possible examples include flour, Epsom salts, baking soda, alum, pepper, and sugar. *Be sure to work with an adult and use safety precautions!*

Name of Solid	Solution?	Observations
	Yes/No	
	Yes/No	
	Yes/No	
	Yes/No	
	Yes/No	

Properties of Crystals

Can you make your own crystals?

Try to make crystals using the solids that formed solutions in the first part of this assignment. Evaporate a small sample of that solution overnight and observe the crystals left behind.

What happened to the water as it evaporated?

What is left behind after the water evaporated? Is it the same as the original solid you first mixed?

How can you increase the rate of evaporation? List some ways to make the water dry up faster.

On the space below, draw and describe the properties of the crystals you created.