Dec 4, 2014

PURPOSE - WHAT ARE TWO SPECIFIC WAYS TO TURN A MIXTURE INTO A SUBSTANCE?

WARMUP (FINISH):

SUBSTANCES ARE ...

MIXTURES ARE ...

DRAW A PARTICLE DRAWING

SUBSTANCE: MIXTURE:

SEPARATIONS

There are hundreds of methods for moving one substance away from another.

All are based on finding a property that makes one substance different from the others.

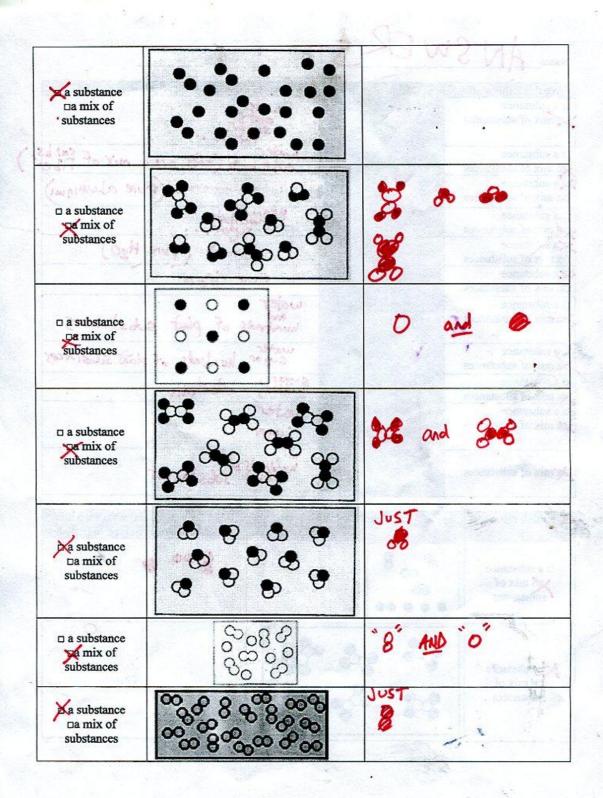
Name	LOOKS LIKE MIXTURE	of this difference
Filtration	VSUBSTANCE	DIFFERENT
Distillation		BOILING

		_		-	0	
Name_	N	15	W	E	K.	S Pd

We think this stuff is Name of stuff If you said it's a mix, what's it a mix of? atholiseoving office Official materialism a substance a mix of substances □ a substance ໃຫ້ກຸ່ງເກີຍໃນເຂົ້າການສຳເ a mix of substances क्षत्रासम्बद्धाः विद्यानात् । a substance □a mix of substances □ a substance mix of substances a substance (pure H20) steam □a mix of substances a substance aniiron frying pan pure iron □a mix of substances □ a substance hot tea (after you take a mix of substances he tea hag out). □ a substance anapple 🗆 a mix of substances □ a substance Pepsi® a mix of substances water with sugar □ a substance a mix of substances dissolved in its sugar a substance. very smooth peaning mix of substances butter --

Date

We think this stuff is	Picture of stuff	If you said it's a mix, what's it a mix of? (draw one of each type of particle)
a substance a mix of substances	8 8 8	& AND
a substance □a mix of substances	the transfer	



today's lab. due friday at the end of class:

Dear Young Chemist,

Allow me to introduce myself. I am a well-funded food charity that distributes SUBSTANCES* such as sugar and water to needy parties around the world. My organization recently received two very generous donations of sugar and water. Unfortunately we discovered that both donations are MIXTURES**.

I am soliciting your skills as a knowledgeable chemist with the permission of your teacher. Could you conduct a small trial run to show me how we can purify my DIRTY SUGAR MIXTURE and then, do another small trial to show me how we can purify my DIRTY WATER MIXTURE.

Write a letter back to me (hand written is okay, one per chemistry student, signed and dated and looking like a letter, including "Dear so and so") telling me the following: a clear listing of the steps you followed, What you smelled and saw at each step, Whether the final result is a SUBSTANCE (explain with both words and a sketch), and list what you wish you could do differently to improve the steps, so my technicians can achieve success when they try to duplicate your work.

Thanky thanky,

Iain M. Banks

New York, NY

Due Friday, by the end of class