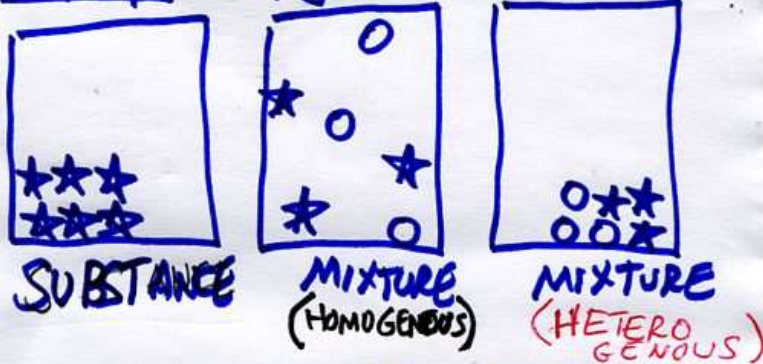


Purpose How can we categorize ink from a pen?

Warmup: copy:



① HOMOGENEOUS MIXTURES

are well mixed. They don't have regions of one substance by itself.

② HETEROGENEOUS MIXTURE has regions where one substance is by itself.

examples

milk	homogeneous mixture
air	homogeneous MIX
tears	homogeneous
pepper jack cheese	heterogeneous
cheddar	???

ANSWERS

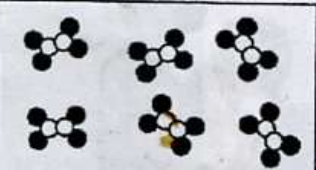
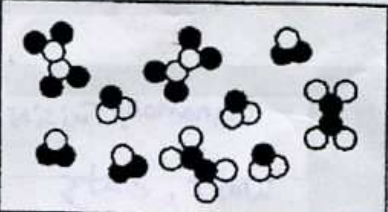
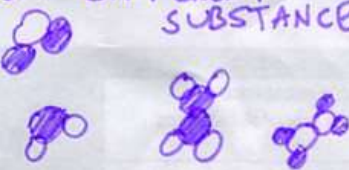
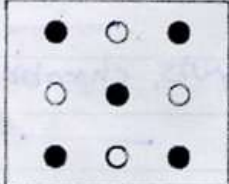
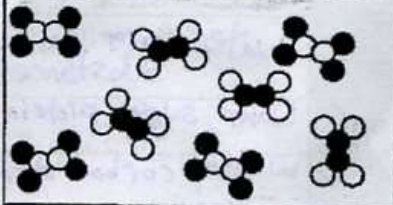
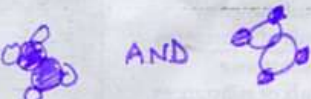
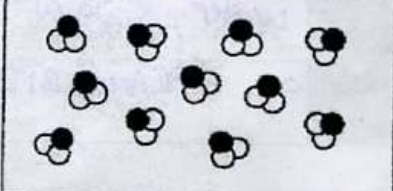

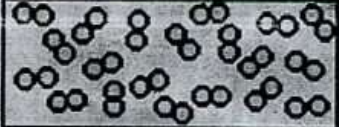
substance or mixture?
E.H.S. ©M!\$+ry
Mr. Genest



Name _____
 Date _____
 Tutors! Adults! Help this young chemist by visiting
<http://genest.weebly.com> with any smart phone

We think this stuff is	Name of stuff	If you said it's a mix, what's it a mix of?
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	a hot serving of Cinnamon-Raisin-Oatmeal	cinnamon, raisins, water
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	Plain hot oatmeal	water, oats
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	a sheet of aluminum foil	_____
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	Snickers®	peanuts, chocolate, caramel
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	steam	_____
<input checked="" type="checkbox"/> a substance <input type="checkbox"/> a mix of substances	an iron frying pan	_____
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	hot tea (after you take the tea bag out)	water, over one hundred substances from the leaf
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	an apple	water, sugar, protein, vitamins, acid,
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	Pepsi®	water, carbon dioxide, sugar, etc.
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	water with sugar dissolved in it	water, sugar
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances	very smooth peanut Butter	OIL + PEANUT BITS + (maybe sugar) (maybe SALT)

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)
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances		" AND "

<input checked="" type="checkbox"/> a substance <input type="checkbox"/> a mix of substances		<hr/>
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances		<p>FOUR DIFFERENT SUBSTANCES!</p> 
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances		<p>"O" and "●"</p>
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances		<p>TWO DIFFERENT SUBSTANCES</p> 
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances		<hr/>
<input type="checkbox"/> a substance <input checked="" type="checkbox"/> a mix of substances		<p>"O" AND "∞"</p>
<input checked="" type="checkbox"/> a substance <input type="checkbox"/> a mix of substances		<hr/>