

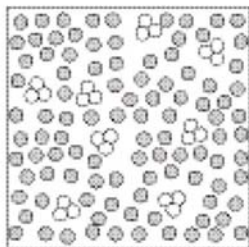
Reinforcement

It's All Mixed Up

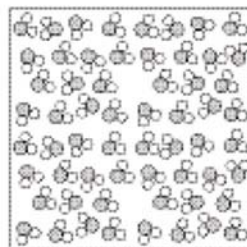
Complete this worksheet after you finish reading the section "Mixtures."

Label each figure below with the type of substance it BEST models: colloid, compound, element, solution, or suspension.

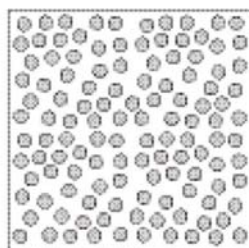
1.



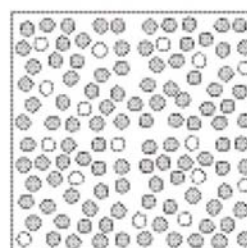
4.



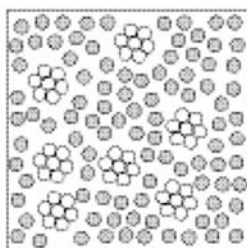
2.



5.



3.



Reinforcement *continued*

6. Why did you label the figures on the previous page as you did?

PROFESSOR JUMBLE'S CONFUSION

In her lab, Professor Jumble has four shelves labeled "Suspensions," "Solutions," "Compounds," and "Colloids," respectively. Last night, the professor set one beaker of clear liquid on each of the four shelves. When the professor walked into her lab this morning, all four beakers were on the same shelf, and she didn't know which was which. She tested each beaker, and the results are below.

7. Use the test results to help Professor Jumble unjumble the beakers, and write the identity of each liquid in the blanks.

<p>Beaker A: _____</p> <ul style="list-style-type: none"> ● Light passes right through. ● Particles do not separate in a centrifuge or a filter. ● Upon heating, the liquid evaporates, and a crystal powder remains. 	<p>Beaker C: _____</p> <ul style="list-style-type: none"> ● Liquid scatters light. ● Liquid centrifuged into two different-colored layers. ● Particles were left behind in the filter.
<p>Beaker B: _____</p> <ul style="list-style-type: none"> ● Light passes right through. ● Particles do not separate in a centrifuge or a filter. ● Upon heating, the liquid evaporates, but no residue remains. ● The particles could not be separated by any other physical changes. 	<p>Beaker D: _____</p> <ul style="list-style-type: none"> ● Liquid scatters light. ● Liquid passes through a filter without leaving a residue.