Worksheet
for
Solutions

Name_____ Partner's Name_____

1. In some of the layering of liquids experiments, you can shake the layers together and they will end up settling back in place. Why doesn't that work for some of the layers in this experiment?

2. Can you explain the Dr. Pepper/Diet Dr. Pepper phenomenon?

3. Explain why the salt made the light go on but the sugar did not.

4. Rank the substances from most ionic to least ionic. If some are equal, designate this too.

5. The $Ca(OC_2H_3O_2)_2$ is saturated in water – no more can dissolve. What's happening to the $Ca(OC_2H_3O_2)_2$ when you add the C_2H_5OH to it? Should the $Ca(OC_2H_3O_2)_2$ be more or less soluble in C_2H_5OH than in water?

6. Based on the Atomic Structure experiment from last week, why do you think boric acid was added to the sterno?