

**Prelab:** Purpose, and “materials and methods”. I won’t hold you responsible for this today (January 4), but leave a one-page space in your notebook where this information will go.

**Lab Result Report (Due Thursday, January 20 at the beginning of lab)**

**This experiment will be done in pairs** This should be done on your own paper. At the top write your name **and** the name of your partner.

**Parts A - D** Starting at the bottom of page 57 under “REPORT”. Complete the instructions indicated on pages 57 and 58. For this part, the explanations for the results do not need to be written out in paragraph form. For example, see the example in Part A, #2. This explanation could be written out as follows:

Hexane - nonpolar  
*p*-dichlorobenzene - slightly polar

Since the polarities are similar, *p*-dichlorobenzene is soluble in hexane.

**Part E**

1. State your results and answer question 1 at the bottom of page 56.
2. a. Clearly make your **predictions** in regards to which liquid is top and bottom and which the solid is dissolved in. To do this is to draw a picture like the one on p. 57.  
  
b. Explain what you did to try to prove your predictions experimentally and give the results of your experimental work. Also, state whether or not the results of your experimental work were consistent with your predictions. If they were not consistent, explain any differences.

Answer Questions 1a,b,c and 2 a,b,c,d,e on pages 58 - 60.