

## Mini-Labware Earrings

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## Mini-Labware Earrings

**Purpose:** To use your knowledge of solutions, density and 'like dissolves like' to create a fun pair of earrings.

### Materials:

Min labware of choice  
Alcohol  
Baby oil  
Food Coloring  
Superglue  
2 hook earwires  
Variety of beads color of your choice  
2 T-pins  
round nose pliers  
chain or flat nose pliers  
wire cutters

### Procedure:

1. You start with the miniature lab piece of your choice. From there you have several options for example:
  - a) Half baby oil and half alcohol the add a drop of food coloring for a miniature density column
  - b) Fill with baby oil and a couple of drop of food coloring for droplet affect
  - c) Fill with liquid of choice ( alcohol or baby oil) and then add a few beads.

These are just a few examples of what you can fill your lab piece with. Let your imagination and chemistry knowledge lead you.

Be sure to leave an air bubble.

2. Seal the cork into place using super glue. Set aside to let dry.



3. You are now ready to build your earring. In addition to your mini-lab ware you will need 2 T-pins and 2 hook ear wires. Also you will need round nose pliers, flat nose pliers, and wire cutters.



4. Use the round nose pliers to open the closed loop on the T-pin.

Loop it through the screwed-in eye on the mini-labware.

Close the loop on the T-pin using the needle nose pliers.

Place beads of your choice onto the T-pin.

5. Grasp the wire above the beads with the round nose pliers.

Take the needle nose and wrap it around the round nose pliers making a loop.

Holding the loop in place with the round nose pliers take the needle nose and wrap it around the wire three times.

Cut the excess off with the wire cutters.

6. Take the round nose pliers and open the loop on the ear wire.

Loop it through the loop on the T-pin and close it using the needle nose pliers.

7. Repeat for the other earring.

You now have a fun pair of mini-lab ware earrings.

### Questions and Conclusions:

1. With what did you fill your labware? What principle of chemistry does it illustrate?
2. Sally placed alcohol and red food coloring into her labware. She was disappointed in the results. Describe what her earrings looked like.