Text-based Instructions for assembly of a model radiator: (to be used in place of video instruction at the discretion of the teacher)

1. You have been provided with
   - a 4” diameter plastic funnel with a short piece of plastic tubing
   - ring stand with two ring clamps
   - an extension clamp with adjustable jaws
   - a copper tubing module bent in a particular design (you may choose the design you wish you use, but please DO NOT alter the original design unless your instructor approves!)
   - A piece of flexible plastic tubing connected to a 1-mL plastic syringe
   - A stopcock or pinch clamp
   - Some wire to use as twist ties

2. Place the plastic funnel in the ring clamp.

3. Adjust the extension clamp with jaws so that the funnel is firmly immobilized

4. Attach your chosen copper tubing module to the funnel’s plastic tubing using a piece of wire as a twist tie.

5. Use a ring clamp to help support the weight of the copper tubing module.
6. Attach the plastic tube with an inserted 1 mL syringe to the exit point of the copper tubing module. Use a wire twist tie to secure this connection.

7. Install a plastic stopcock or metal pinch clamp to the bottom of the radiator assembly.

8. This completes the assembly of your model radiator. Refer to Step 2 of the General Guidelines for further instructions.