Pease complete this simple experiment at home and bring your completed worksheet to class on Thursday. **Try and do the experiment with a Family member! If you bring in a photo of you and your family member doing the experiment, I’ll give you some extra credit**

Take-Home Lab: Boiling & Condensation

**Materials**

* Clean, empty pop can
* Stove
* Kitchen tongs &/or pan with boiling water
* Medium-Large bowl of ice water

**Procedure**

* Prepare the bowl of ice water
* Measure out approximately 15 mL of water (1-2 tablespoons) and pout into empty can
* Heat can until water begins to boil and you can see vapor coming out of the top of the can
* Do not let the can melt….That is too long on the stove!!
	+ NOTE—*you may either use tongs to hold the can directly over the burner on the stove. Or you may rest the can in a pan on the stove that has some boiling water in it*
* Once you’ve started to see steam come out of the top of the can, wait at least 90 more seconds before proceeding, but not long enough for al the water in the can to boil off
* Using the tongs (or a hot pad), **quickly** turn the can upside down as you plunge it into the bowl of ice water

**Observations**

**Comprehension Questions:**

1. What is the name of the process when a liquid turns into a gas?
2. What is the name of the process when a gas turns into a liquid?
3. What happened to the can? Why?(use complete sentences)