



pH

Procedure with Vernier LabQuest:

- 1) Power up the LabQuest
- 2) Plug the pH probe into the LabQuest right away to ensure a warm up time of at least **4 minutes** before sampling.
NOTE: The probe may be plugged into any channel.
- 3) Remove probe from pH storage solution. Always keep the probe in the storage solution when it is not being used. Unscrew storage solution cap and slide probe out. Be sure to keep the storage solution in a safe place as the bottle has an opening that cannot be sealed.
- 4) Rinse off the tip of the probe with distilled water, making sure to rinse the bulb at the very end of the probe thoroughly.
Do not touch bulb with fingers.
- 5) Place the tip of the pH probe 3-4cm into the water source being sampled. The probe must constantly have moving water on the tip to get an accurate reading, so, be sure to keep the probe moving in a swirling motion while taking tests. **Only place the tip of the probe in, do not let the black handle touch the water.**
- 6) Keep the tip of the probe in the water until the reading on the screen of the LabQuest has become steady (the reading may not fully stop on one number but as long as the numbers are relatively stable, then you can record the pH level). **It will take no less than 45 seconds with constant water flow over the tip of the probe to obtain an accurate ready.**
- 7) Rinse the tip of the probe again before sliding it back into the pH storage solution bottle. Be sure that the storage solution bottle cap is secure and tight. It is now safe to unplug the probe from the LabQuest and put it away.