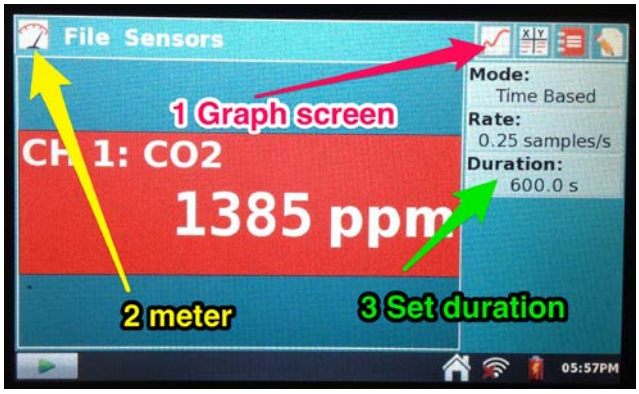
LabQuest Unit Number: _____ ____ Sensor Number: _____

Lab Team: _____ _____ _____ _____

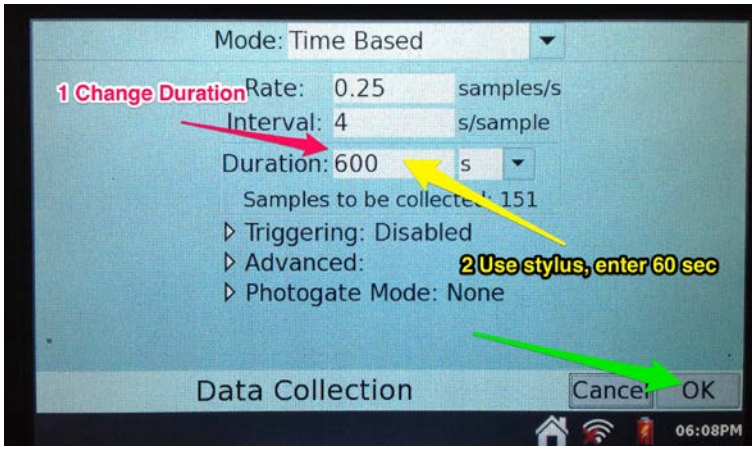
Sensor Code
T = Temp
P = Pressure
O_2 = Oxygen
CO_2 = Carbon Dioxide
CL = Colorimeter
DO = Dissolved O_2
UV = UV-Vis spectrometer

Rubric	Beginning	Novice	Proficient	Advanced
Technical Skill	Can turn on Labquest unit & connect a sensor. Uses stylus to navigate between different views. Can often start data collection without assistance.	Understands only one menu function. Has trouble locating major functions and activating them. Makes some mistakes inputting run parameters. Can start data collection without assistance.	Understands the major menu functions and locations; can locate & use most submenus. Able to setup and change run parameters. Reliably starts data collection. Uses labels well. Can save & recall files. Only uses one method for exporting data files.	Understands all menu and submenu locations & functions without searching. Easily able to setup & change run parameters. Confidently starts & manipulates data collection. Always uses descriptive labels. Can save & recall files. Easily able to export data files using several different methods (email, USB drive, LoggerPro software, Vernier app)
Data Analysis	Collects data, but cannot interpret significance of graph or data table views. Makes mistakes interpreting x & y axis. Collects needless amounts of run data.	Can often apply a linear fit to a graph. Can make predictions, but with faulty interpretations of graph data. Able to show data trends with some assistance.	Understands when to use most **Analyze** menu functions. Can usually make some good predictions. Correctly interprets the major outcome of experimental run(s). Toggles between graph & table views.	Understands when & why to use **Analyze** menu functions for evaluating runs. Always able to accurately predict trends in data and show comparisons by overlaying runs. Always uses stylus/graph functions to manipulate & interpret data. Easily toggles between graph & table views.

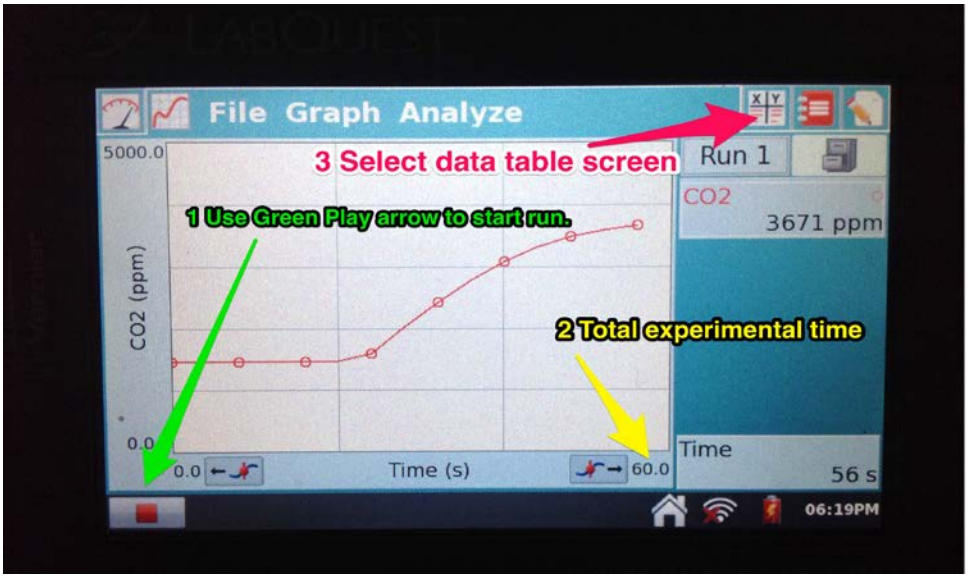
1. Meter screen. Duration allows you to set total length of an experimental run.



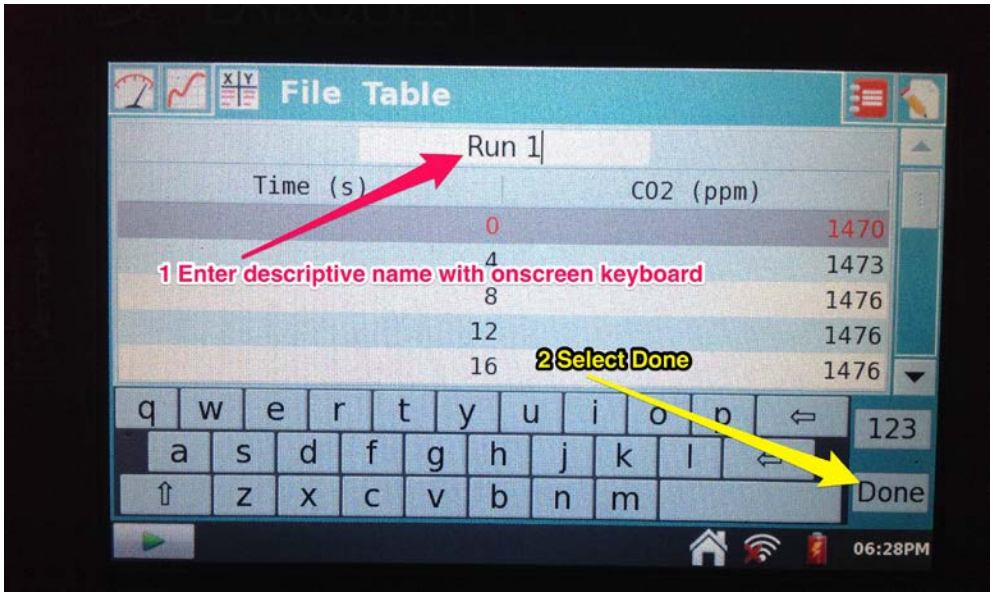
2. Set duration for experiment.



3. Graph screen for taking readings.



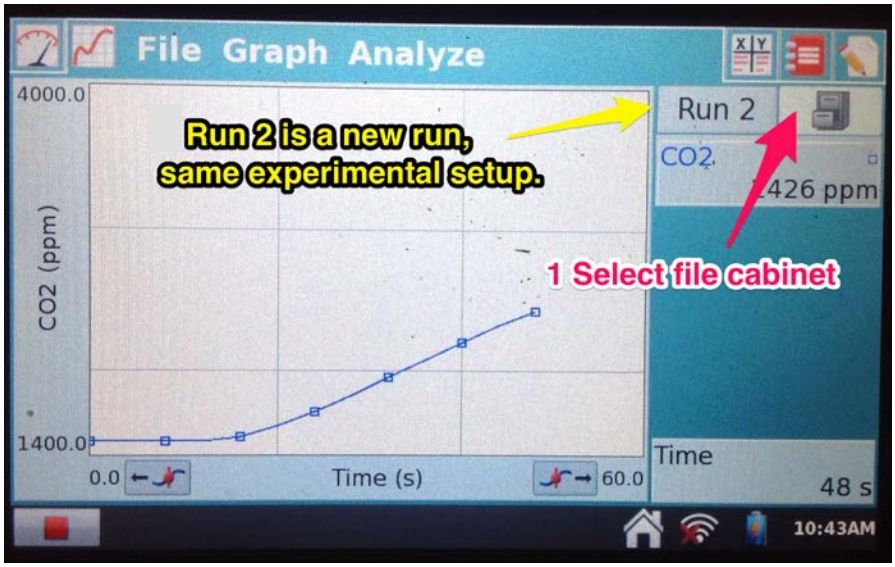
4. Table screen for viewing data as table and labeling runs.



Done button on Labquest 1 is "OK"

Write name of your 1st run.

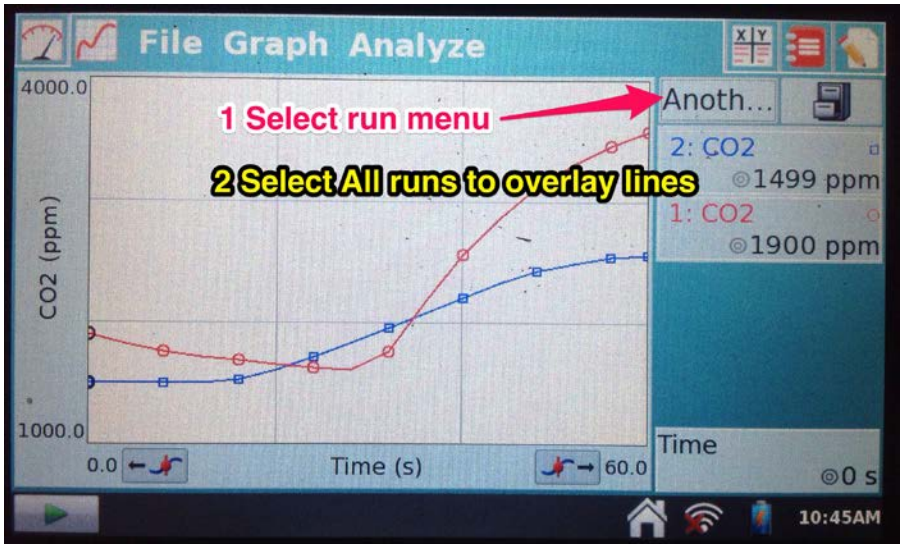
5. Run additional trials by storing runs.



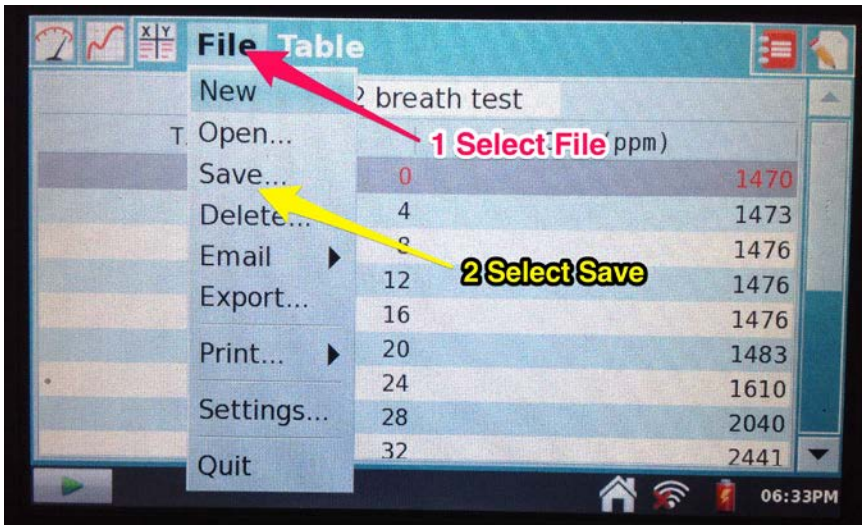
Repeat steps 3-5 for the 2nd run.

Write name of your 2nd run.

6. At the end of your runs, you can overlay graphs.
See how they compare to one another.

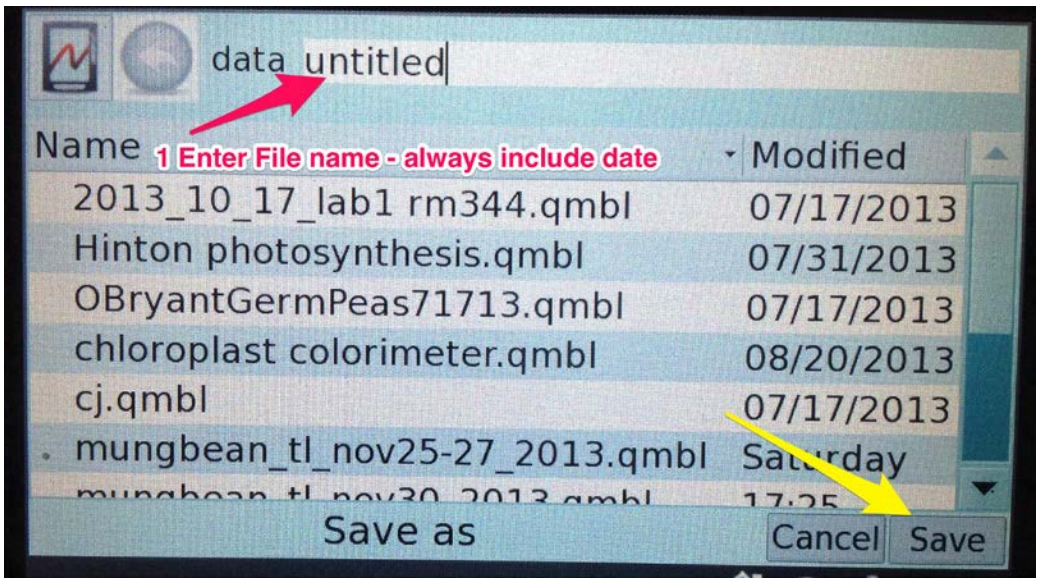


7. At the end of the experiment save the data as a File.



How many runs will be stored? Write your run names.

8. Save file name.



Write the name of your 1st test file.

9. Go to File > New before starting a new experiment. This will take you back to the meter screen.

Write the name of your lab data file. You will need to upload this file to a laptop computer before leaving.