

Air Quality Monitoring PocketLab Lesson **Quick Reference Guide**

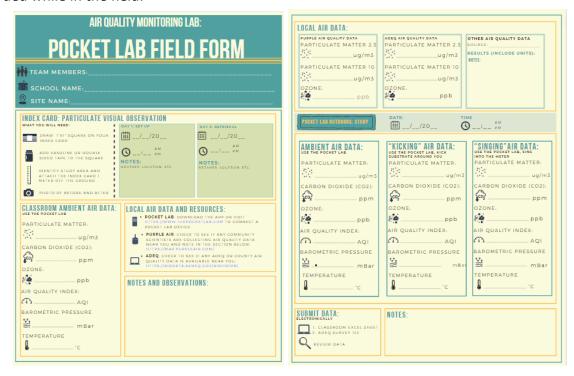


1. Download the PocketLab mobile app for iPhone or Android

Instead of using the app, you can also use pocketlab.com on a web browser

2. Download and Print the Field Form

Download the two-page field form at azdeq.gov/AirLab. This is where measurements and observations are recorded while in the field.



Quick Reference Guide

3. Gather Data

Carefully follow the two-day monitoring lab procedure outlined in the Lesson Plan >

Step 1

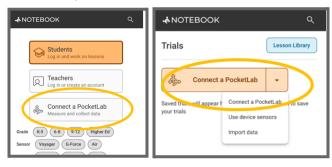
Charge the air PocketLab prior to the PocketLab study:

- The PocketLab takes 2 hours to fully charge. The device can continuously run and gather data for 24 hours on a single battery charge.
- Charge using the USB cable that is provided with the device.

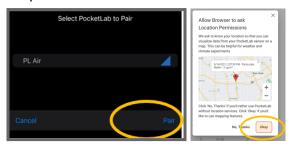
Step 2

Turn on and connect the PocketLab to a device:

- Turn on the PocketLab by pressing the button at the top of the device. The light will blink green and red.
- Open the app on your device (or visit app.thepocketlab.com from a web browser) and select *Connect a PocketLab*.
- From the drop down menus, select Connect a PocketLab.



- On the bottom right corner of the screen, select Pair.
- Select Okay for location permissions.



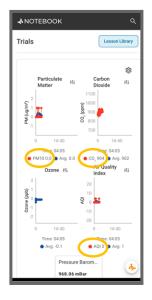


Quick Reference Guide

Step 3

Collect ambient data:

- Allow the PocketLab to sit for 5 minutes in the study area. Note that for ambient conditions, it is better to step away from the device. Heat from your hands and CO2 from your breathing can influence the results.
- After 5 minutes, have a student read the red values noted at the bottom of the graph. The values can fluctuate, just commit to a value and add it to your form.



Tip: Consider taking a screenshot of the results and reading from the photo.

To collect 24-hour data:

- Leave your device in a secure location for 24 hours.
- After 24 hours, write down the average (Avg.) results, which are blue on the PocketLab graph. Make a note in your field form that the results are of a 24-hour average.

4. Submit Data

Submit the data collected using our online data submission form >

