

# POCKET LAB FIELD FORM

 TEAM MEMBERS: \_\_\_\_\_

 SCHOOL NAME: \_\_\_\_\_

 SITE NAME: \_\_\_\_\_

## INDEX CARD: PARTICULATE VISUAL OBSERVATION

### WHAT YOU WILL NEED:

 DRAW 1"X1" SQUARE ON YOUR INDEX CARD

 ADD VASOLINE OR DOUBLE SIDED TAPE TO THE SQUARE

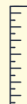

 IDENTIFY STUDY AREA AND ATTACH THE INDEX CARD 1 METER OFF THE GROUND

 PHOTO OF BEFORE AND AFTER


### DAY 1: SET UP


 \_\_\_/\_\_\_/20\_\_\_

 \_\_\_:\_\_\_ AM  
\_\_\_:\_\_\_ PM

**NOTES:**  
WEATHER, LOCATION, ETC.

### DAY 2: RETRIEVAL

 \_\_\_/\_\_\_/20\_\_\_

 \_\_\_:\_\_\_ AM  
\_\_\_:\_\_\_ PM

**NOTES:**  
WEATHER, LOCATION, ETC.

## CLASSROOM AMBIENT AIR DATA:

### USE THE POCKET LAB

PARTICULATE MATTER:

 \_\_\_\_\_ ug/m<sup>3</sup>

CARBON DIOXIDE (CO<sub>2</sub>):

 \_\_\_\_\_ ppm

OZONE:

 \_\_\_\_\_ ppb

AIR QUALITY INDEX:

 \_\_\_\_\_ AQI  
\*Use Average Value




BAROMETRIC PRESSURE

 \_\_\_\_\_ mBar

TEMPERATURE

 \_\_\_\_\_ °C

## LOCAL AIR DATA AND RESOURCES:

-  **POCKET LAB:** DOWNLOAD THE APP OR VISIT [HTTPS://WWW.THEPOCKETLAB.COM](https://www.thepocketlab.com) TO CONNECT A POCKET LAB DEVICE.
-  **PURPLE AIR:** CHECK TO SEE IF ANY COMMUNITY SCIENTISTS ARE COLLECTING AIR QUALITY DATA NEAR YOU AND NOTE IN THE SECTION BELOW: [HTTPS://MAP.PURPLEAIR.COM/](https://map.purpleair.com/)
-  **ADEQ:** CHECK TO SEE IF ANY ADEQ OR COUNTY AIR QUALITY DATA IS AVAILABLE NEAR YOU: [HTTPS://AIRDATA.AZDEQ.GOV/AIRVISION/](https://airdata.azdeq.gov/airvision/)

## NOTES AND OBSERVATIONS:

## LOCAL AIR DATA:

### PURPLE AIR QUALITY DATA


PARTICULATE MATTER 2.5

 \_\_\_\_\_ ug/m<sup>3</sup>

PARTICULATE MATTER 10

 \_\_\_\_\_ ug/m<sup>3</sup>

OZONE:

 \_\_\_\_\_ ppb

### ADEQ AIR QUALITY DATA

PARTICULATE MATTER 2.5

 \_\_\_\_\_ ug/m<sup>3</sup>

PARTICULATE MATTER 10

 \_\_\_\_\_ ug/m<sup>3</sup>

OZONE:

 \_\_\_\_\_ ppb

### OTHER AIR QUALITY DATA


SOURCE: \_\_\_\_\_

RESULTS (INCLUDE UNITS):


NOTES:

## POCKET LAB OUTDOORS: STUDY

DATE:

 \_\_\_/\_\_\_/20\_\_

TIME

 \_\_\_:\_\_\_ AM  
PM

## AMBIENT AIR DATA:

USE THE POCKET LAB

PARTICULATE MATTER:

 \_\_\_\_\_ ug/m<sup>3</sup>

CARBON DIOXIDE (CO<sub>2</sub>):

 \_\_\_\_\_ ppm

OZONE:

 \_\_\_\_\_ ppb

AIR QUALITY INDEX:

 \_\_\_\_\_ AQI

BAROMETRIC PRESSURE

 \_\_\_\_\_ mBar

TEMPERATURE

 \_\_\_\_\_ °C


## “KICKING” AIR DATA:

USE THE POCKET LAB, KICK  
SUBSTRATE AROUND YOU

PARTICULATE MATTER:

 \_\_\_\_\_ ug/m<sup>3</sup>

CARBON DIOXIDE (CO<sub>2</sub>):

 \_\_\_\_\_ ppm

OZONE:

 \_\_\_\_\_ ppb

AIR QUALITY INDEX:

 \_\_\_\_\_ AQI

BAROMETRIC PRESSURE

 \_\_\_\_\_ mBar

TEMPERATURE

 \_\_\_\_\_ °C

## “SINGING” AIR DATA:

USE THE POCKET LAB, SING  
INTO THE METER

PARTICULATE MATTER:

 \_\_\_\_\_ ug/m<sup>3</sup>

CARBON DIOXIDE (CO<sub>2</sub>):

 \_\_\_\_\_ ppm

OZONE:

 \_\_\_\_\_ ppb

AIR QUALITY INDEX:

 \_\_\_\_\_ AQI

BAROMETRIC PRESSURE

 \_\_\_\_\_ mBar

TEMPERATURE

 \_\_\_\_\_ °C

## SUBMIT DATA:

ELECTRONICALLY



1. CLASSROOM EXCEL SHEET
2. ADEQ SURVEY123 OR GOOGLE FORM



REVIEW DATA

## NOTES: