



## You're Getting Warmer!

### PDQ1 - Student Worksheet

Date:

Student Name:

Building:

Time of Day	Location	CO2 Low (PPM)	CO2 High (PPM)	Notes & Observations

- \* databot's™ CO2 sensor needs to warm up for about 30 seconds after powering up so when you first begin give it time to warm up.
- \* CO2 - databot™ records levels of 400 PPM and above!
- \* Use the notes and observations area on the worksheet to note environmental conditions like rainy, windy, hot, idling automobiles, and other things that might impact your readings.
- \* Clear your data from Phybox prior to each reading so you can see the highs and lows clearly for each particular location.
- \* Take data readings for about 2 minutes at each location and note the range of values by recording the high and low reading.
- \* databot's™ air quality sensor calculates equivalent CO2 values based on hydrogen levels. If you near an area that is outgassing or concentrated with volatile organic compounds (VOCs) you will get a spike in CO2 levels. Look for potential sources of outgassing if you come across unusually high levels. You can also use the VOC sensor to try and narrow down potential VOC sources. If you haven't done the databot module "Something in the Air" do so and you will learn more about volatile organic compounds!



*One little cube. Science on the move.*

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