**Appendix: Data Set for Lesson**

Table 1: shows the monthly average levels of carbon dioxide in ppm measured at Mauna Loa, Hawaii, since 2006.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ***Mean monthly CO2 levels (ppm)*** | | | | | | | |
| ***Month/year*** | ***2006*** | ***2007*** | ***2008*** | ***2009*** | ***2010*** | ***2011*** | ***2012*** | ***2013*** |
| ***1*** | *381.38* | *382.89* | *385.44* | *386.94* | *388.50* | *391.25* | *393.12* | *395.51* |
| ***2*** | *382.19* | *383.90* | *385.73* | *387.42* | *389.94* | *391.82* | *393.60* | *396.79* |
| ***3*** | *382.67* | *384.58* | *385.97* | *388.77* | *391.09* | *392.49* | *394.45* | *397.31* |
| ***4*** | *384.61* | *386.50* | *387.16* | *389.44* | *392.53* | *393.34* | *396.18* | *398.35* |
| ***5*** | *385.03* | *386.56* | *388.50* | *390.19* | *393.04* | *394.21* | *396.78* | *399.76* |
| ***6*** | *384.05* | *386.10* | *387.88* | *389.45* | *392.15* | *393.72* | *395.83* | *398.58* |
| ***7*** | *382.46* | *384.50* | *386.43* | *387.78* | *390.22* | *392.42* | *394.30* | *397.20* |
| ***8*** | *380.41* | *381.99* | *384.15* | *385.92* | *388.26* | *390.19* | *392.41* | *395.15* |
| ***9*** | *378.85* | *380.96* | *383.09* | *384.79* | *386.83* | *389.04* | *391.06* | *393.51* |
| ***10*** | *379.13* | *381.12* | *382.99* | *384.39* | *387.20* | *388.96* | *391.01* | *393.66* |
| ***11*** | *380.15* | *382.45* | *384.13* | *386.00* | *388.65* | *390.24* | *392.81* | *395.11* |
| ***12*** | *381.82* | *383.95* | *385.56* | *387.31* | *389.73* | *391.83* | *394.28* | *396.81* |
|  |  |  |  |  |  |  |  |  |
|  | ***2014*** | ***2015*** | ***2016*** | ***2017*** | ***2018*** |  |  |  |
| ***1*** | *397.80* | *399.96* | *402.52* | *406.13* | *407.88* |  |  |  |
| ***2*** | *397.91* | *400.26* | *404.04* | *406.42* | *408.61* |  |  |  |
| ***3*** | *399.58* | *401.52* | *404.83* | *407.18* | *409.35* |  |  |  |
| ***4*** | *401.29* | *403.26* | *407.42* | *409.00* | *410.80* |  |  |  |
| ***5*** | *401.77* | *403.96* | *407.70* | *409.65* | *411.48* |  |  |  |
| ***6*** | *401.15* | *402.80* | *406.81* | *408.84* | *410.8* |  |  |  |
| ***7*** | *399.00* | *401.30* | *404.39* | *407.07* | *409.05* |  |  |  |
| ***8*** | *397.01* | *398.82* | *402.25* | *405.07* | *407.07* |  |  |  |
| ***9*** | *395.26* | *397.64* | *401.03* | *403.38* | *405.48* |  |  |  |
| ***10*** | *395.93* | *398.29* | *401.57* | *403.64* | *406.00* |  |  |  |
| ***11*** | *397.13* | *400.16* | *403.53* | *405.14* | *407.98* |  |  |  |
| ***12*** | *398.78* | *401.85* | *404.42* | *406.82* | *409.27* |  |  |  |

***Resources***

*Our Changing Atmosphere www.exploratorium.edu/snacks/our-changing-atmosphere https://www.exploratorium.edu/snacks/our-changing-atmosphere*