

Title: Human Health & Air Quality Observe & Interpret Answer Key

Station	Examples of Possible Student Comments
Population (militard) s1 25 25  Difference in Population weighted Concentrations of PML, 2000-2019 (uplny) -75 0 75	I see the only purple circle in China. This means that the levels of PM 2.5 decreased the most given the population.  I see several big turquoise circles in the United States and Europe. This means that PM 2.5 somewhat decreased in these cities.
Population (millions)  1 2.5 2.5  Change in PM <sub>3</sub> -attributable Mortality Por 100,000 Population, 2000-2019 (%)	I see many large red circles over India and Northeast Asia. This means that deaths caused by PM 2.5 increased 50% or more.  I see small circles in Russia. This means that there are cities with smaller populations there than many other parts of the world.
Change in Annul NO, Concentration, 2000-2019 (typic) 2-5 3 1 0 25	I see that Australia is light blue or turquoise. This means the yearly concentration of Nitrogen Dioxide slightly decreased from 2000 to 2019.  I see that the southern hemisphere has fainter dots. This may mean that less data was collected in this region of the world.
Image 2:  Fraction of Prollaric Ashma Attributable to NO, Pollution (%)  10-30-10-10-10-10-10-10-10-10-10-10-10-10-10	I see that rural has the lowest line. This means the fraction of child asthma cases linked to nitrogen dioxide pollution was lower than the global and urban fractions.  I see that these graphs show a fraction of childhood asthma cases. This means that the graphs compare childhood asthma cases linked to nitrogen dioxide pollution compared to the total amount of childhood asthma cases.

