



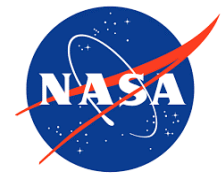
Name: _____ Date: _____ Class: _____

Title: Identifying Patterns in PM 2.5

Instructions: You will observe the following two maps (these maps may be color printed or displayed on two devices at a table).

- Map A) [Difference in Population-weighted Concentrations of PM_{2.5}, 2000-2019](#)
 - Map B) [Change in PM2.5- attributable Mortality per 100,000 Population, 2000-2019](#)
- 1) Observe Map A then respond to the first “I see” prompt below. Then, observe Map B and respond to the second “I see...” prompt. *This second observation should be related to your first “I see” prompt. It is recommended that you make an observation about a certain region of the world then make a follow up observation about that same region.*
 - 2) Draw a conclusion based on your observations of both maps, responding to the prompt, “This means...”
 - 3) Make an inference that could explain your conclusion then develop a question related to your observations.
 - 4) Repeat 1-2 more times.

I see... (Map A)	I see... (Map B)	This means...	This could be due to...	This makes me wonder...
<i>Possible Student Response:</i> <ul style="list-style-type: none">• I see concentrations of PM_{2.5} increased more in India than any other country.	<i>Possible Student Response:</i> <ul style="list-style-type: none">• I see PM_{2.5}-attributable mortality was highest in India along with Southeast Asia, and Eastern Asia.	<i>Possible Student Response:</i> <ul style="list-style-type: none">• This means PM_{2.5}-attributable mortality can increase even in places where PM_{2.5} concentrations are decreasing.	<i>Possible Student Response:</i> <ul style="list-style-type: none">• This could be due to older populations being exposed to air pollution when they were younger and experiencing earlier deaths.	<i>Possible Student Response:</i> <ul style="list-style-type: none">• This makes me wonder how manufacturing in India and East Asia as well as consumerism in developed countries contributes to PM_{2.5} attributable deaths.



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I see... (Map A)	I see... (Map B)	This means...	This could be due to...	This makes me wonder...