

Name _____

Weather and Climate Student Investigation Sheet

City	Latitude	Min Temp °C	Max Temp °C	Magnitude of Temperature Warming over the last 50 - 58 years (1950-2008)				
				< 0.5 °C	~ 0.5 °C	~ 1.0 °C	~ 1.5 °C	~ 2.0 °C
Allentown	40.588303 °N	9.4	12.4			x		
Akureyri	65.683868 °N							
Alice Springs	23.700339 °S							
Aswan	24.081816 °N							
Beijing	39.904667 °N							
East London	32.991009 °S							
Istanbul	41.012379 °N							
Las Vegas	36.114646 °N							
Mexico City	19.427050 °N							
Moscow	55.755773 °N							
Nagasaki	32.750287 °N							
Prince Albert	53.199518 °N							
Salvador	12.970094°S							
Valley	53.247501 °N							
Vostok	78.466509 °S							

Analysis Questions

1. Which city has the **highest** maximum average annual temperature?
2. Which city has the **lowest** minimum average annual temperature?
3. Which city is **furthest** from the equator?
4. Which city is **closest** to the equator?
5. Which two cities have had the **greatest** amount of climate change over the last 50 years?
6. Which four cities have had the **least** amount of climate change over the last 50 years?
7. Look at a 10-year period on the Las Vegas climate graph. How does a 10-year weather pattern differ from a 50-year climate pattern?
8. How is a 10-year period on the Las Vegas climate graph different from a 10-year period on the Moscow climate graph?
9. How is weather different than climate?