My NASA Data - Mini Lesson/Activity

Surface and Air Temperatures Throughout the Day

Student Directions

Steps

1. Review the line graph of surface temperature and air temperature throughout the day and answer the questions below. Check with your instructor on how to submit your answers.
2. Describe what the dashed and solid lines represent in the line graph of surface temperature...
and air temperature throughout the day.

3. Describe the X Axis and what it represents.
4. Describe the Y Axis and what it represents.
5. Analyze the line graphs and answer the following questions.

1. What do you see? Identify any trends and differences you see in the graph. Pay special attention to the trends in surface and air temperature at each time of day as well as the difference in surface temperature between the day and night.
2. Describe the differences between city and rural areas.
3. Explain why these differences might occur.

Teachers, these mini lessons/student activities are perfect "warm up" tasks that can be used as a hook, bell ringer, exit slip, etc. They take less than a class period to complete. Learn more on the "My NASA Data What are Mini Lessons?" page.

Access and Explore Data

- Daytime Skin Temperature (degrees Celsius)
- Nighttime Skin Temperature (degrees Celsius)
- Monthly Normalized Difference Vegetation Index (dimensionless)
- Monthly Normalized Difference Vegetation Index (dimensionless)