

WEATHER WATCHERS

Project DUE DATE: Monday, November 20
Late Projects are automatically 20 points off and 5 additional points for each day afterwards.



For **5 consecutive** days you will monitor local and national weather and complete the following tasks.

TASKS:

- Fill out a national weather map (blank copy provided) for each day (5 total). Include the following:
 - Indicate all weather fronts and pressure systems
 - All fronts and pressure systems are the appropriate color
 - Make sure each map is labelled with the correct date
- Create a weather station model for each day (5 total). Indicate the following:
 - Indicate the time of your readings (*not part of the weather station model*)
 - Temperature (°F)
 - Precipitation type
 - Dew point
 - Current barometric pressure
 - Cloud coverage
 - Wind speed
 - Wind direction
- Answer the analysis questions.
- Pretend that you are a TV meteorologist. Based on your weather maps, TYPE a script for Charlotte, NC that would air on “Day 5”. Your script must include:
 - Details about the current weather
 - Prediction of weather for the next 24 hours

Analysis Questions:

Type the answer to all questions in COMPLETE SENTENCES

1. What patterns do you notice about the weather across the nation? How do the fronts and air masses over Charlotte, NC correlate with the clouds, temperature, and weather you observed (**You should address this question 5 times - once for each day of your study**).
2. Using your day 5 map, choose one place in the country that had different weather from Charlotte, NC. How do you think this weather affected people in that area? How might their day have been different from your day? Think about what they wore, and what activities they may have planned.




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RUBRIC:

CATEGORY	Exceptional (5)	Acceptable (3)	Attempted (1)
National Weather Map	Project has weather maps fully completed for 5 consecutive days. All information is correct, fronts and pressures systems are the correct color.	Project has 5 weather maps, but some are only partially completed, or weather maps are not for 5 consecutive days. Some information is either incorrect or missing.	Project has less than 5 weather maps or they are only partially completed.
Weather Station Model	Project has weather station models for 5 consecutive days. Weather station models are dated, in the correct format and accurate	Project contains 5 weather station models, but they are either incomplete or contain false information. Project contains 5 weather station models, but models days are not consecutive.	Project does have all 5 weather station models.
Analysis Questions	Analysis questions are answered correctly in complete sentences.	Analysis questions are attempted but are not answered completely.	Analysis questions are present but not accurate.
Television Script	Script accurately describes weather noted on day 5. Script addresses feasible weather predictions for the following 24 hours, and explains/ outlines the reasoning behind the your predictions. Predictions are based on facts and demonstrates an understanding of weather causes and patterns.	Script accurately describes weather noted on day 5. However day 6 weather predictions are not feasible or rationale behind day 6 predictions is not provided.	Script is difficult to comprehend and predictions are not based on facts and does not demonstrate an understanding of weather patterns.
Appearance/ Presentation	Project is presented in a neat and orderly manner that is easy to follow. Analysis and Script are Typed.	Project is neat, but organized in a way that is difficult to follow. Analysis and Script are Typed.	Project is unorganized and lacks organization, Analysis and/or Script is not typed.

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Time:	Time	Time

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