

## Virtual Lab #16: How do meteorologists predict the weather? Page 1

Search Term: [http://www.glencoe.com/sites/common\\_assets/science/virtual\\_labs/ES15/ES15.html](http://www.glencoe.com/sites/common_assets/science/virtual_labs/ES15/ES15.html)

**Directions:** Read the information on the left side of the Virtual Lab window (scroll down to see all of it).

**LOCATION ONE:** \_\_\_\_\_

**Question 1: Day 1:** What are the current conditions on Day 1 in each of the region's cities?

	Temperature		Wind		Cloud Cover	Type of Precipitation	Barometric Pressure	Difference in Barometric Pressure
	°C	°F	Dir.	MPH				
City 1								
City 2								
City 3								
City 4								

**Question 2: Day 1:** Predict the weather conditions for Day 2. These weather conditions should include temperature, amount of cloud cover, and type of precipitation, if any.

	Temperature	Cloud Cover	Type of Precipitation
City 1			
City 2			
City 3			
City 4			

**Question 3: Day 2:** What are the current conditions on Day 2 in each of the region's cities?

	Temperature		Wind		Cloud Cover	Type of Precipitation	Barometric Pressure	Difference in Barometric Pressure
	°C	°F	Dir.	MPH				
City 1								
City 2								
City 3								
City 4								

**Question 4: Day 2:** How do the current conditions on Day 2 compare to your predicted conditions?

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**Question 5: Day 2:** Predict the weather conditions for Day 3.

	Temperature	Cloud Cover	Type of Precipitation
City 1			
City 2			
City 3			
City 4			

**Question 6: Day 3:** What are the current conditions on Day 3 in each of the region's cities?

	Temperature		Wind		Cloud Cover	Type of Precipitation	Barometric Pressure	Difference in Barometric Pressure
	°C	°F	Dir.	MPH				
City 1								
City 2								
City 3								
City 4								

**Question 7: Day 3:** How do the current conditions on Day 3 compare to your predicted conditions?

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**Question 8: Day 3:** Predict the weather conditions for Day 4.

	Temperature	Cloud Cover	Type of Precipitation
City 1			
City 2			
City 3			
City 4			

**Question 9: Day 4:**

- A. Of the three stations you had to place in the spots, how many were you correct on?
- B. Which specific ones were you correct on?
- C. What difficulties did you have when making predictions?

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

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City 4						
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**Question 7: Day 3:** How do the current conditions on Day 3 compare to your predicted conditions?

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**Question 8: Day 3:** Predict the weather conditions for Day 4.

	Temperature	Wind	Type of Precipitation
City 1			
City 2			
City 3			
City 4			

**Question 9: Day 4:**

- A. Of the three stations you had to place in the spots, how many were you correct on?
- B. Which specific ones were you correct on?
- C. What difficulties did you have when making predictions?

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

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**CONCLUSION QUESTION:** What observations did you find most helpful in predicting the weather conditions? Why?

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