

**INTERPRETING INFORMATION**

**Comparing Temperatures Around the World**

**Worksheet**

**\* CLIMOGRAPHS**

The graph shows the average monthly temperature for a one-year period in three different cities. Study the graph and answer the questions.

Each of the statements below describes something about the climate in one of the three cities shown on the graph. Decide which city is being described, then place the number of the statement on the answer line for that city. When you have finished, each answer line will have one or more numbers.

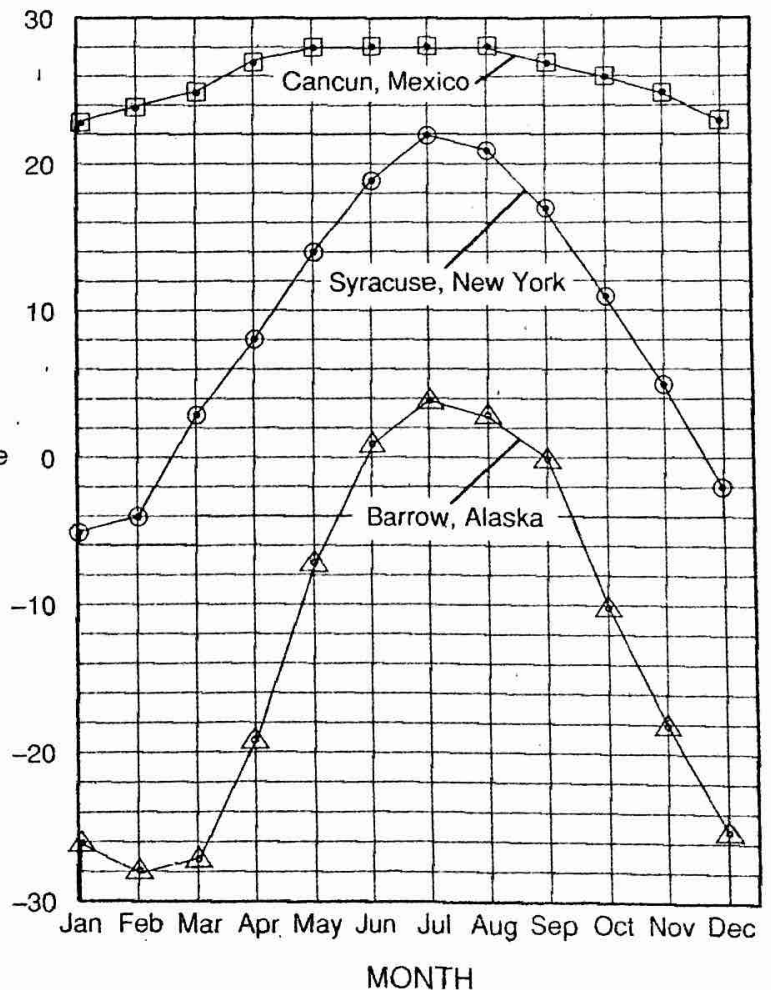
Barrow, Alaska \_\_\_\_\_

Syracuse, New York \_\_\_\_\_

Cancun, Mexico \_\_\_\_\_

1. This city showed a drop in average monthly temperature between January and February.
2. In this city the average monthly temperature remained the same for four consecutive months.
3. This city had the coldest climate.
4. This city showed the smallest temperature range.
5. This city is located in the temperate or middle-latitude zone.
6. This city had the warmest climate.
7. This city showed the greatest temperature range.
8. This city is located in the tropical zone.

Average temperature (°C)



Answer the following questions.

9. Calculate the average annual temperature for Syracuse, New York. (You may round off to the nearest degree.) \_\_\_\_\_

10. Which city had the greatest change in temperature between any two months?

\_\_\_\_\_ During which two months did this change occur? \_\_\_\_\_

How many degrees did the temperature change? \_\_\_\_\_



# ACTIVITY

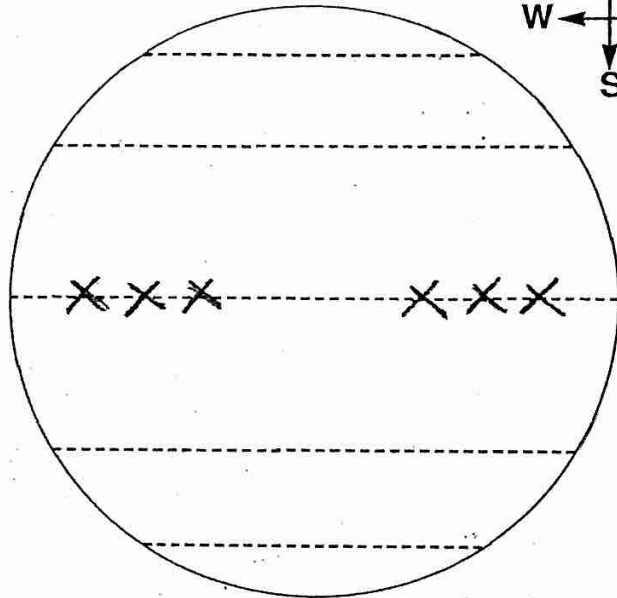
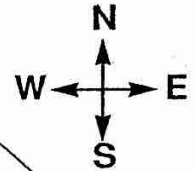
## What Are Earth's Global Wind Patterns?

## Worksheet

**Process Skills** identifying, analyzing

**Materials** pencil, globe diagram, textbook Ref. Table p. 14  
+ Guided Notes classwork packet.

**Procedure**



1. On the diagram shown, label the equator, 30° North and South Latitudes, 60° North and South Latitudes, and the North and South Poles.

2. What is the latitude at the following locations?

- a. equator \_\_\_\_\_
- b. North Pole \_\_\_\_\_
- c. South Pole \_\_\_\_\_

3. On the globe, label the trade winds and the prevailing westerlies. Indicate their direction of flow using arrows.

4. In which hemisphere do the northeast trade winds blow? \_\_\_\_\_  
 In which hemisphere do the southeast trade winds blow? \_\_\_\_\_

5. Are the global winds that blow across the United States northwesterlies, southwest-  
 lies, northeasterlies, or southeasterlies? \_\_\_\_\_

✓ 6. On the globe, mark the doldrums with a series of Xs. Why was this region trouble-  
 some to explorers sailing to new territories? \_\_\_\_\_  
 \_\_\_\_\_

7. Why are the global winds deflected eastward or westward as they move in a north-  
 south direction? \_\_\_\_\_  
 \_\_\_\_\_

**Conclusion**

8. Study the arrows you drew on the globe for the trade winds and prevailing wester-  
 lies. From your knowledge of air movement based on differences in pressure,  
 identify the following as areas of high pressure or low pressure.

- a. equator \_\_\_\_\_
- b. 30° North Latitude \_\_\_\_\_

