

## ACCURACY OF CLIMATE DATA

### STUDENT QUESTIONS SHEET

#### CALCULATIONS

1. What is the maximum temperature for the 24-hour period? What is the minimum temperature for the 24-hour period?
2. Average the maximum and minimum temperatures to obtain the “mean daily temperature” at your simulated “coop” station. (By averaging the maximum and minimum temperatures from your 24-hour data, you are simulating how the mean daily temperature is computed for the nation’s cooperative observing stations.)
3. Average all 24 hourly temperatures to obtain the mean daily temperature as computed at a National Weather Service station.
4. Calculate the difference between the two mean daily temperatures.

#### DISCUSSION

1. How do the two mean daily temperatures compare? Is one noticeably higher than the other?

