

Name: _____

Data Collection Student Sheet

Feeling the Heat, Part 1

You will need:

An infrared (IR) thermometer OR a digital thermometer plus one meter of string

Step One: Make a Prediction

Where will the temperature be the warmest? Write your prediction in the space below.

Step Two: Collect Data

Your group is responsible for collecting data at one of the selected locations. Describe the location.

What is this location like? (Describe in your own words.)

What is on the ground?

☐ Trees ☐ A garden ☐ Grass ☐ Soil ☐ Asphalt ☐ Concrete

Is there sunshine?

☐ Sun ☐ Full shade ☐ Part shade

Step Three: Collect Temperature Data

Record five temperature readings in Celsius in the space below. Then calculate the average of the five measurements.

Measurement #1: _____ °C

Measurement #2: _____ °C

Measurement #3: _____ °C

Measurement #4: _____ °C

Measurement #5: _____ °C

AVERAGE: _____ °C (Add the five measurements and divide by five.)

Step Four: Compare Data

Compare your data with the data collected by other groups. Look for patterns in the data.

Where in your schoolyard was the temperature the highest? Where was it the lowest?

Why do you think different locations have different temperatures? What factors might affect the temperature?