

Student Name \_\_\_\_\_ Date \_\_\_\_\_

## SOUTH POLE MARS BARS

The Earth's south pole is cold, but the south pole of Mars is even colder! Here are the temperatures of those two places during the summer and winter on each planet.

|        | South Pole: Earth | South Pole: Mars |
|--------|-------------------|------------------|
| Summer | -30° C            | -75° C           |
| Winter | -75° C            | 120° C           |

**DIRECTIONS.** On the graph below, make colored bars showing the south pole temperature of Earth and Mars during the summer and during the winter. Use red for Mars and blue for Earth. Remember, all these numbers are less than zero because it's freezing!

### SUMMER

|         |  |  |
|---------|--|--|
| 0° C    |  |  |
|         |  |  |
| -30° C  |  |  |
|         |  |  |
| -60° C  |  |  |
|         |  |  |
| -90° C  |  |  |
|         |  |  |
| -120° C |  |  |
|         |  |  |
| -150° C |  |  |
|         |  |  |
| -180° C |  |  |
|         |  |  |

### WINTER

|         |  |  |
|---------|--|--|
| 0° C    |  |  |
|         |  |  |
| -30° C  |  |  |
|         |  |  |
| -60° C  |  |  |
|         |  |  |
| -90° C  |  |  |
|         |  |  |
| -120° C |  |  |
|         |  |  |
| -150° C |  |  |
|         |  |  |
| -180° C |  |  |
|         |  |  |

Why is Mars so much colder than Earth?

When it's summer at the south pole, what season is it at the north pole?

Don't forget to label your bar chart by writing "Mars" next to the red bars and "Earth" next to the blue bars.