



II. Weather Forecasts for Earthlings and Martians.

(Comparing Weather for Mars and Where You Live)

1

Look at the Mars picture showing temperatures and wind conditions in the lower right of [Mars: All Sun All The Time?](#) Temperatures scales are printed below the picture. What is the range of temperatures across the planet today? (Convert temperatures to °F and wind speeds to mph by using the conversion chart supplied by your teacher or by clicking on [Conversion Chart.](#))

Low Temperature _____ High Temperature _____

2

What is the range of wind speeds?

Low _____ High _____

3

At what latitude(s) is (are) the highest temperature? _____

At what latitude(s) is (are) the highest wind speeds? _____

4

What are the temperature and wind speed at the location where you live on Earth? Use [USA Weather: It's All in Vane](#) and [Weather Symbols: No Groundhogs Here](#) or [International Weather Maps](#). Convert to °F and mph.

Temperature _____ Wind speed _____

5

Look at [Whole Earth Catalog Of Temperatures](#). What is the range of temperature across the planet today?

Low temperature _____ High temperature _____

6

At what latitudes are the highest temperatures? _____

Is that the same as for Mars today? _____

7

Are any of earth's temperatures as low as Martian ones today? _____

8

We can see clouds on Earth. Does Mars ever have clouds? _____
See [Olympus Mons: Always Cloaked in Clouds?](#) and [Olympus Mons](#) in Mars Stats.

What are Martian clouds made of? _____

9

When the sun is shining, Earth's sky is blue. What color is the Martian sky? See [Pathfinder Sunset View: Pink Sky At Night, Martian's Delight](#). Also see [Soil](#) in Mars Stats.

The sky is _____ because _____

10

Let's compare the weather conditions where you live today with those you have found for Mars in question 4. Use [USA Weather: It's All In Vane](#) or [International Weather Maps](#). The weather symbols chart supplied by your teacher will help you interpret the symbols. (Or, click on [Weather Symbols: No Groundhogs Here](#).)

temperature _____ wind direction _____ wind speed _____

sky condition _____ precipitation? _____

11

What is the most interesting difference to you in weather conditions for Mars and for where you live? _____

Want to be a Martian Sun-Times reporter? Write a story using the facts you have learned in this lesson. Choose one of the styles of reporting that your teacher gave you. [Email it to us!](#)