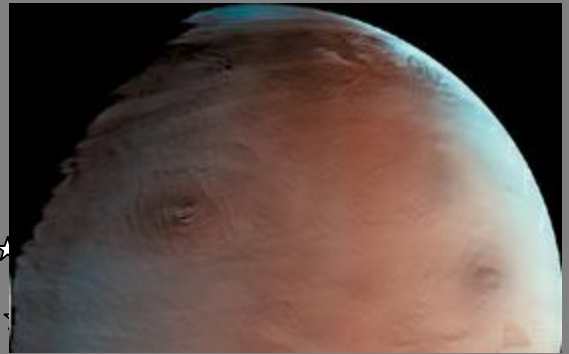


Mars and Beyond!



Mars taken by Mars Orbital Camera



Family Portrait of Jupiter's Great Red Spot and the Galilean Satellites



Mars Global Surveyor

By Nancy Wilkinson

Mars and Beyond
Lesson 3
Metric Concentration

Objectives:

Students will review the metric table.

Materials Needed:

A copy of the concentration cards found on pages 25 -26 for each group. It is a good idea to copy the cards onto construction paper or tag board so the words do not show through the card. (Computer business cards also make excellent cards. Just write the table on the next pages onto business cards.)

Opening Activity:

Review the metric table created in Lesson 2.

Activity:

1. Cut up the concentration cards found on pages 25-26.
2. Lay all of the cards down so that the words are facing down.
3. Each person takes turns turning over two cards. If the two cards match, the player may keep the two cards. A match is the scientific notation on one card and the metric word on the other. For example 10^{-6} meters would match micrometer.



Mariner 2 launched August 27, 1962 - Venus Flyby

4. If a player gets a match, the player gets to go again.
5. Once all of the matches are made, the player with the most sets of cards wins.

Closure:

Go over each match.

10^3 meters	10^3 liters	10^3 grams	10^2 meters	10^2 liters
kilometer	kiloliter	kilogram	hectometer	hectoliter
10^2 grams	10 meters	10 liters	10 grams	10^{-1} meters
hectogram	decameter	deciliter	decagram	decimeter
10^{-1} liters	10^{-1} grams	10^{-2} meter	10^{-2} liters	10^{-2} grams

deciliter	decigram	centimeter	centiliter	centigram
10^{-3} meters	10^{-3} liters	10^{-3} grams	10^{-6} meters	10^{-6} liters
millimeter	milliliter	milligram	micrometer	microliter
10^{-6} gram	10^{-9} meters	10^{-9} liters	10^{-9} grams	10^{-12} meters
microgram	nanometer	nanoliter	nanogram	picometer

Images of Mars



The [unclear] (108.6 meters). It's length will be 290 feet (79.9 meters). It's weight on Earth will be 1,005,000 pounds (455,865 kilograms). It will exist [unclear] 6000 [unclear] [unclear] average (407 kilometers) above the Earth. It will ho



Olympus Mons:

