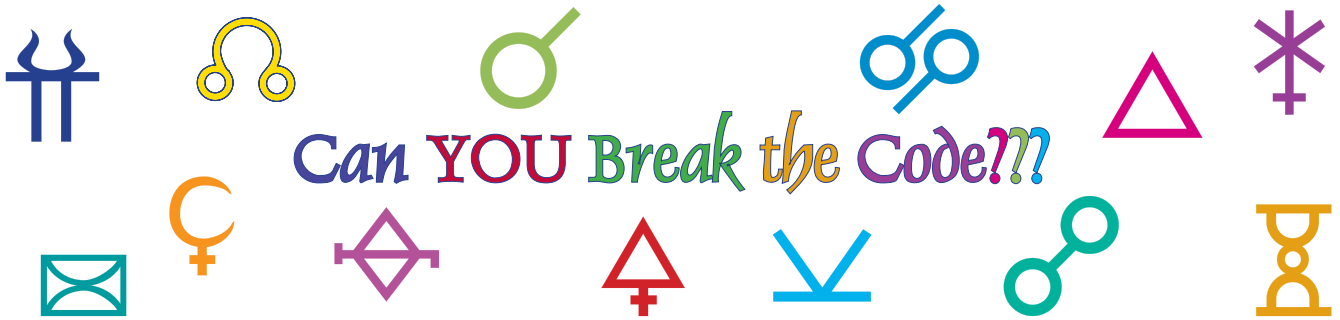


# Mars and Earth

They both are planets—Earth and Mars; up in the sky, among the stars.  
 Mars has two moons, Earth has just one, and Mars is farther from the Sun.  
 Both planets have an atmosphere, but that they are different is very clear.  
 Mars' atmosphere is now very thin, though in the past it might not have been.  
 Earth has water and oxygen all around, while on Mars mostly CO<sub>2</sub> is to be found.  
 From space Mars is the color red, while Earth is very blue instead.  
 Today on Mars no life is found, but plants and animals on Earth abound.  
 So if you were to travel out in space, to Earth or Mars would YOU choose to race?



Can YOU Break the Code???

You are an astrobiologist working at the Savannah River Ecology Lab. You just received a coded message from outer space. Use the code provided on the next page to decipher the following message.

$\overline{21} \ \overline{3} \ \overline{5} \ \overline{8} \ \overline{16} \ \overline{8} \ \overline{5} \ \overline{2} \ \overline{20} \ , \ \overline{17} \ \overline{9} \ \overline{2}$

$\overline{2} \ \overline{3} \ \overline{5} \ \overline{17} \ \overline{9} \ \overline{16} \ \overline{8} \ \overline{11} \ \overline{6} \ \overline{1} \ \overline{2} \ .$

$\overline{15} \ \overline{2} \ \overline{10} \ \overline{6} \ \overline{10} \ \overline{15} \ \overline{13} \ \overline{5} \ \overline{10} \ \overline{7} \ \overline{22} \ \overline{8} \ ,$

$\overline{3} \ \overline{18} \ \overline{20} \ \overline{8} \ \overline{10} \ \overline{16} \ \overline{6} \ \overline{8} \ \overline{20} \ \overline{10} \ \overline{17} \ \overline{10} \ \overline{10} \ !$



# Can You Break the Code???

LETTER	ANSWER THESE QUESTIONS TO FIND THE CODE FOR EACH LETTER	CODE
A	$36 \div 12$	
B	$(3 \times 5) - 4$	
C	$(6 \times 3) - 11$	
D	$(5 \times 3) + 5$	
E	How many moons does Mars have?	
F	$(3 \times 6) + 1$	
G	$(2 - 1) + (7 \times 2)$	
H	$(3 \times 3) \div 1$	
I	$(8 \times 4) \div (1 \times 2)$	
J	$(9 \times 2) - 4$	
K	$(5 + 6) \times 2$	
L	$(2 \times 6) - 6$	
M	$(7 \times 2) + 7$	
N	$(10 \times 2) - 2$	
O	$(5 \times 2) \times 1$	
P	the number of Earth moons + 3	
R	$(5 \times 2) \div 2$	
S	$(3 \times 2) + 2$	
T	$(5 \times 3) + 2$	
U	How many moons does Earth have?	
W	$48 \div 4$	
Y	$5 + 6 + 2$	

**Congratulations!**  
**Now use your code to decipher the message.**