## Scientific Notation I: The Exponent

1) Does the scheme for expressing large numbers in terms of exponents suggest ways to simplify large multiplications such as the number of protons in the galaxy? Explain your answer.
2) What relationship do you expect to find between the exponents in the expression $10^{\mathrm{N}} \times 10^{\mathrm{M}}=10^{\mathrm{X}}$ ? Why?
