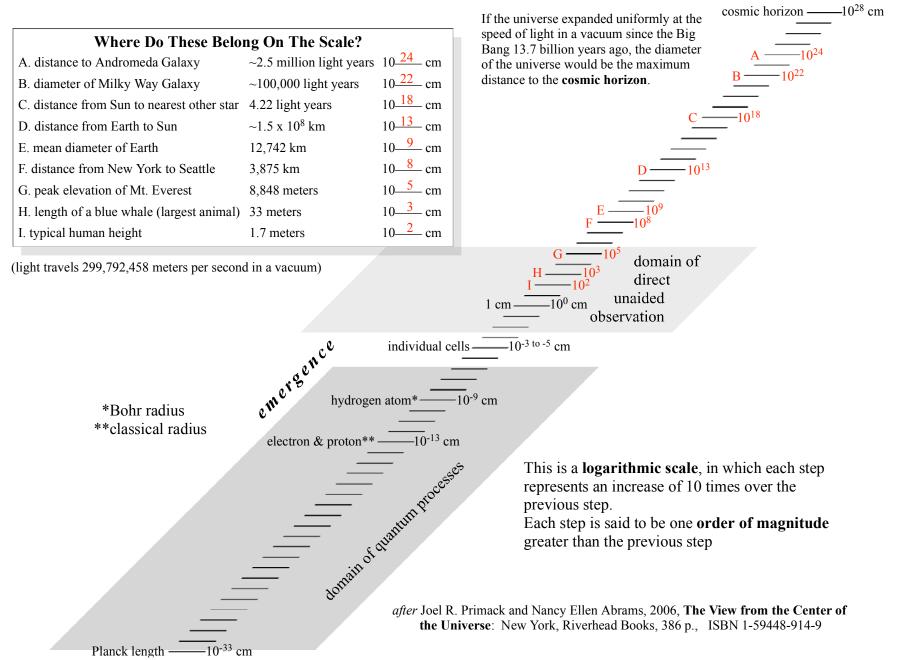
Comparison of Lengths Relevant to Our Universe



The **Planck length** is defined by three physical constants that are fundamental to the classical and quantum models of gravity and that combine in a dimensional analysis to yield a distance. The three constants are the Planck constant, the speed of light in a vacuum, and the gravitational constant. The Planck length is thought to be the smallest meaningful length in Nature, corresponding to the smallest distance over which quantum gravity operates.