

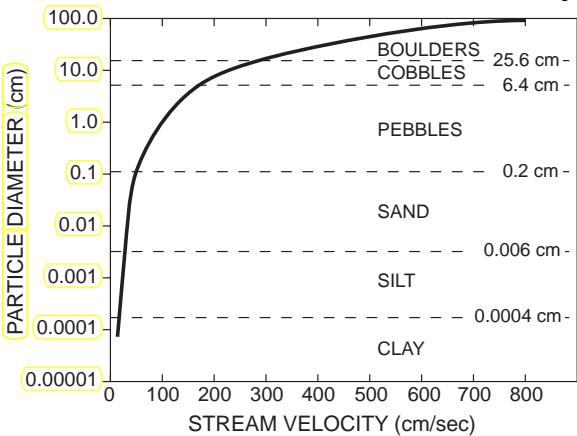
Logarithmic Scales in the ESRT

A **logarithmic scale** may be used when the *range* of numbers being represented is large.

In a logarithmic scale, the distance between 10 and 100 *is the same* as the distance between 100 and 1000, or between 1000 and 10,000.

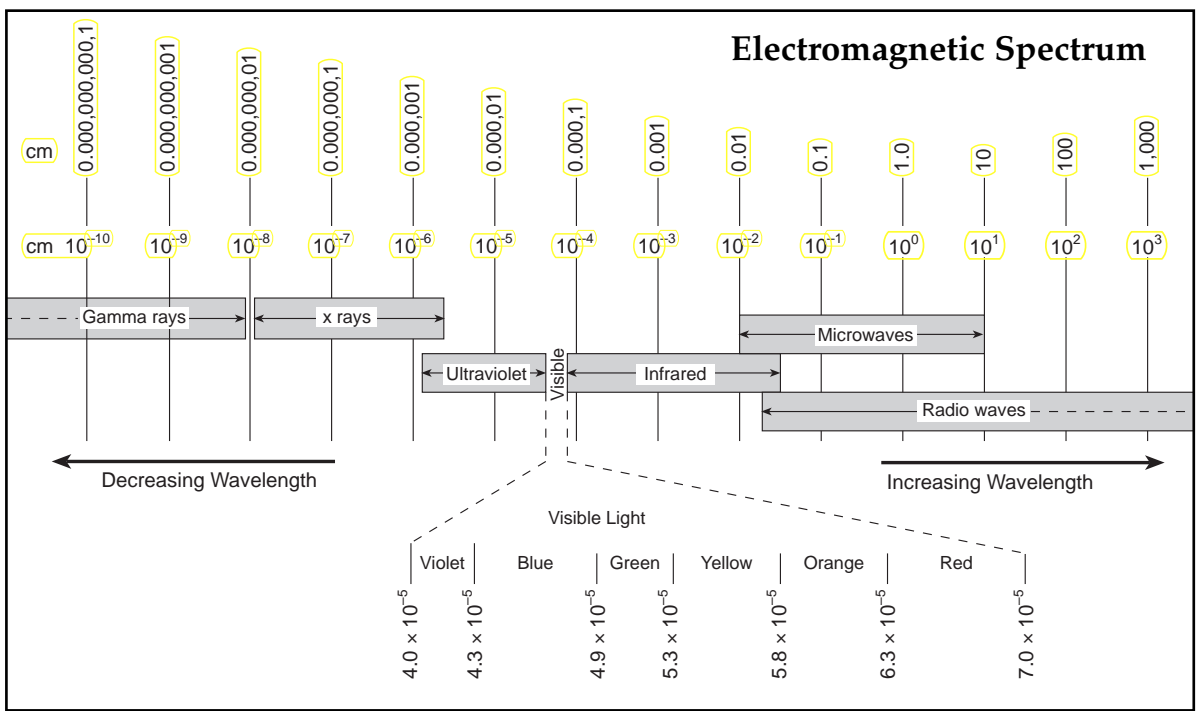
Values increase on this scale **exponentially** (x10, x100, etc).

Relationship of Transported Particle Size to Water Velocity

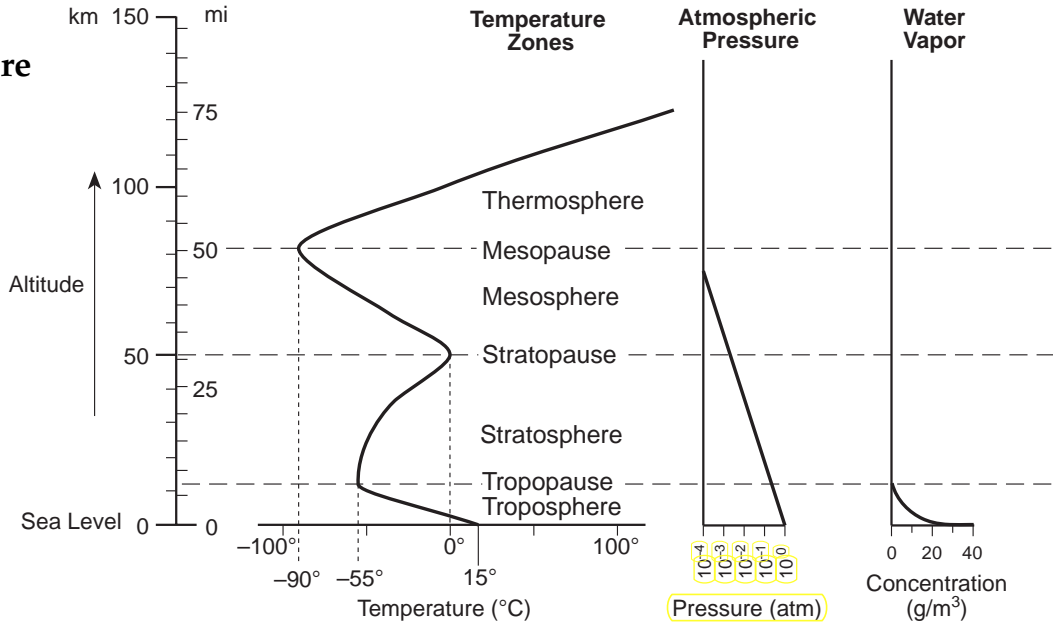


*This generalized graph shows the water velocity needed to maintain, but not start, movement. Variations occur due to differences in particle density and shape.

Electromagnetic Spectrum

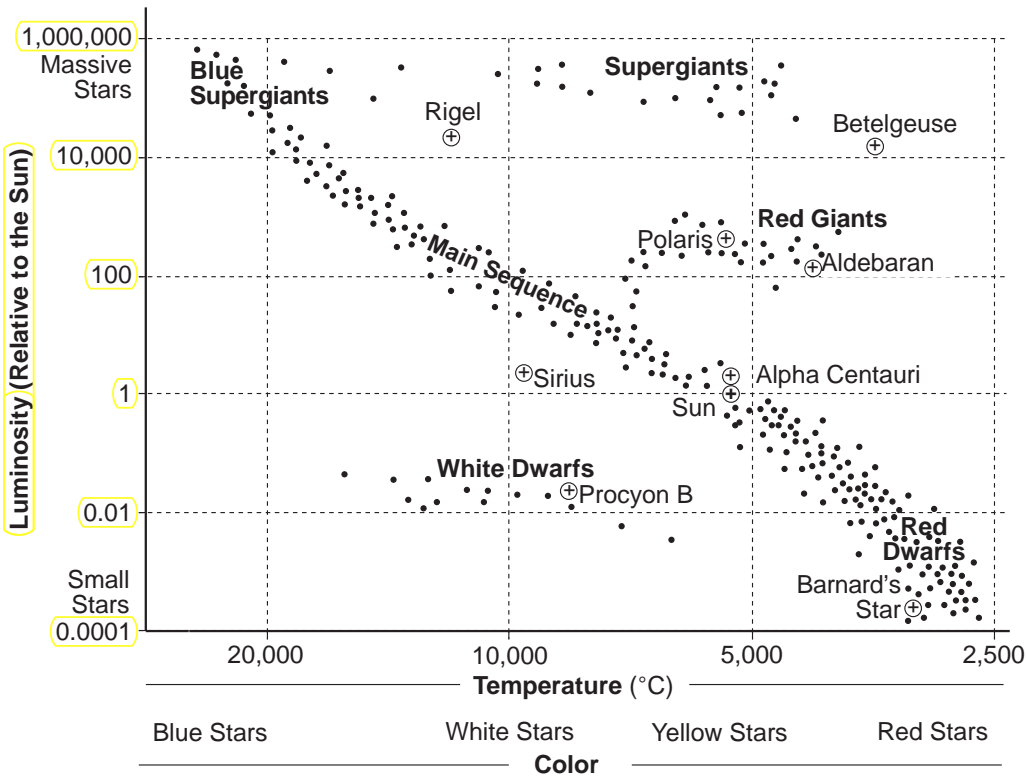


Selected Properties of Earth's Atmosphere



Luminosity and Temperature of Stars

(Name in italics refers to star shown by a ⊕)



Luminosity is the brightness of stars compared to the brightness of our Sun as seen from the same distance from the observer.