

Celestial Groups

solar system

star system

galaxy

cluster (or group) of galaxies

supercluster

universe

observable universe

Definitions

Sun and everything that orbits it (planets, dwarf planets, sssbs, etc.). Refers to our own star system and others

Star(s) and any planets and other materials that orbit it

Great gathering of stars all held together by gravity and orbiting a common center (contains from a few hundred million to a trillion)

Collection of galaxies bound together by gravity. Small ones (few dozen) are groups, while larger ones are clusters

Gigantic region of space packed closely together with galaxies, galaxy groups, and galaxy clusters

Sum total of all matter and energy (all galaxies+everything between them)

Portion of entire universe that can be seen from Earth (at least in principle)

Examples

Our Solar System ("Sol")

Our Solar System ("Sol")

Milky Way

Local Group

Local Supercluster

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