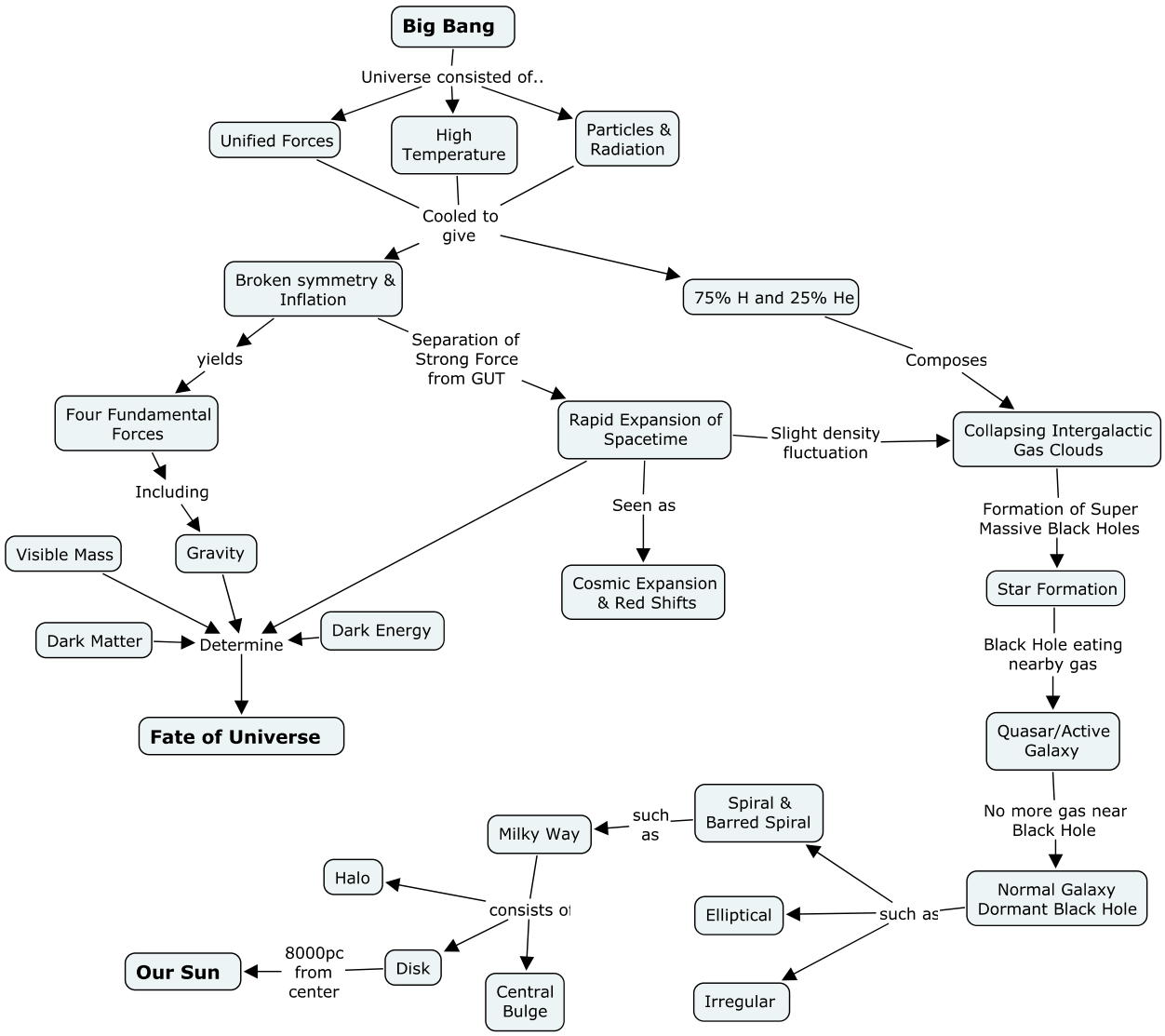
Big Bang
Universe consisted of..
Unified Forces
High Temperature
Particles & Radiation
Cooled to give
Broken symmetry & Inflation
75% H and 25% He
yields
Separation of Strong Force from GUT
Composes
Four Fundamental Forces
Rapid Expansion of Spacetime
Slight density fluctuation
Collapsing Intergalactic Gas Clouds
Including
Seen as
Formation of Super Massive Black Holes
Visible Mass
Gravity
Cosmic Expansion & Red Shifts
Star Formation
Dark Matter
Determine
Dark Energy
Black Hole eating nearby gas
Fate of Universe
Quasar/Active Galaxy
Spiral & Barred Spiral
such as
Milky Way
No more gas near Black Hole
Halo
consists of
Elliptical
such as
Normal Galaxy Dormant Black Hole
Our Sun
8000pc from center
Disk
Central Bulge
Irregular