

Winter Notes_2

1. H-R Diagram (Color-Magnitude)
 - a. Not a physical representation of position in space
 - b. Main Sequence = Hydrogen to Helium fusion in core of star
 - i. Center left and right of diagram
 - c. Giants, Super Giants etc = other types of fusion (CNO, and so on)
 - i. Top Right of diagram
 - d. Dwarf = bright, small, usually a core of a star
 - i. Lower left of diagram
2. Diagrams of winter constellations with star color indicated
3. Addition of objects from Messier Catalog
 - a. Usually seen as “stars” by ancients
 - b. Nebula = Greek for Cloud, often used incorrectly
4. Planets are not included since their positions vary
 - a. Found on, above or below the Ecliptic
 - b. Greek for Wandering Star
5. Haven't included constellations visible all year round, (ex Ursa Major) or Constellations added later in the South, not visible to ancients in Europe