

ASTR367

Stars (an introduction)

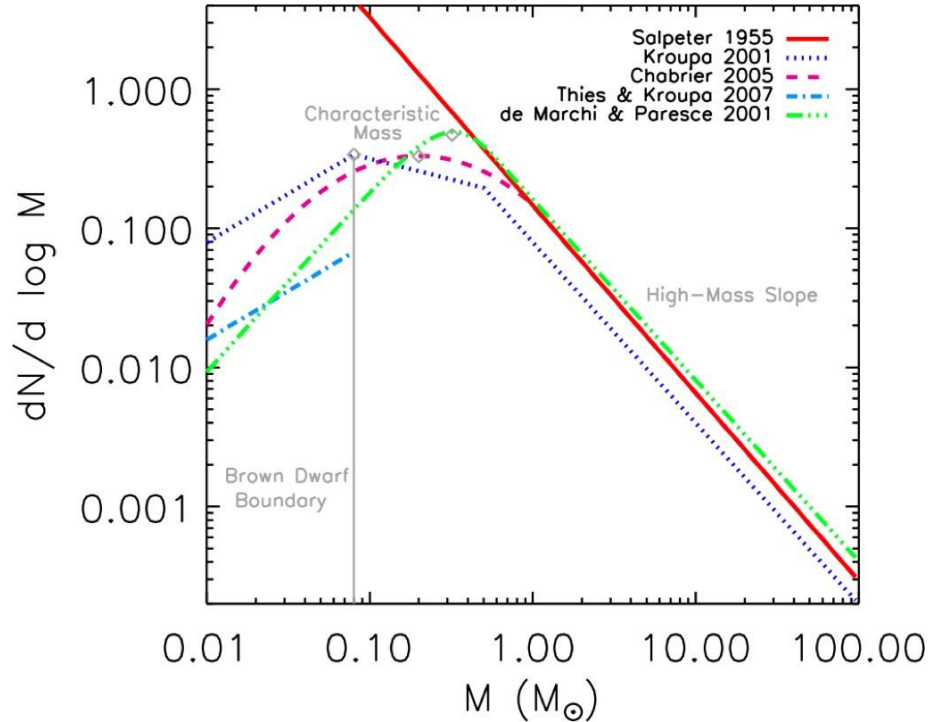
# What is a star?

1. Bound by self-gravity (spherically symmetric)
2. Radiates energy supplied by an internal source (nuclear fusion or gravitational potential energy)

Because energy in #2 above is limited, stars evolve and “die.”

# Mass

0.08-~100 Solar Masses



# Spectral Types



O



B



A



F



G

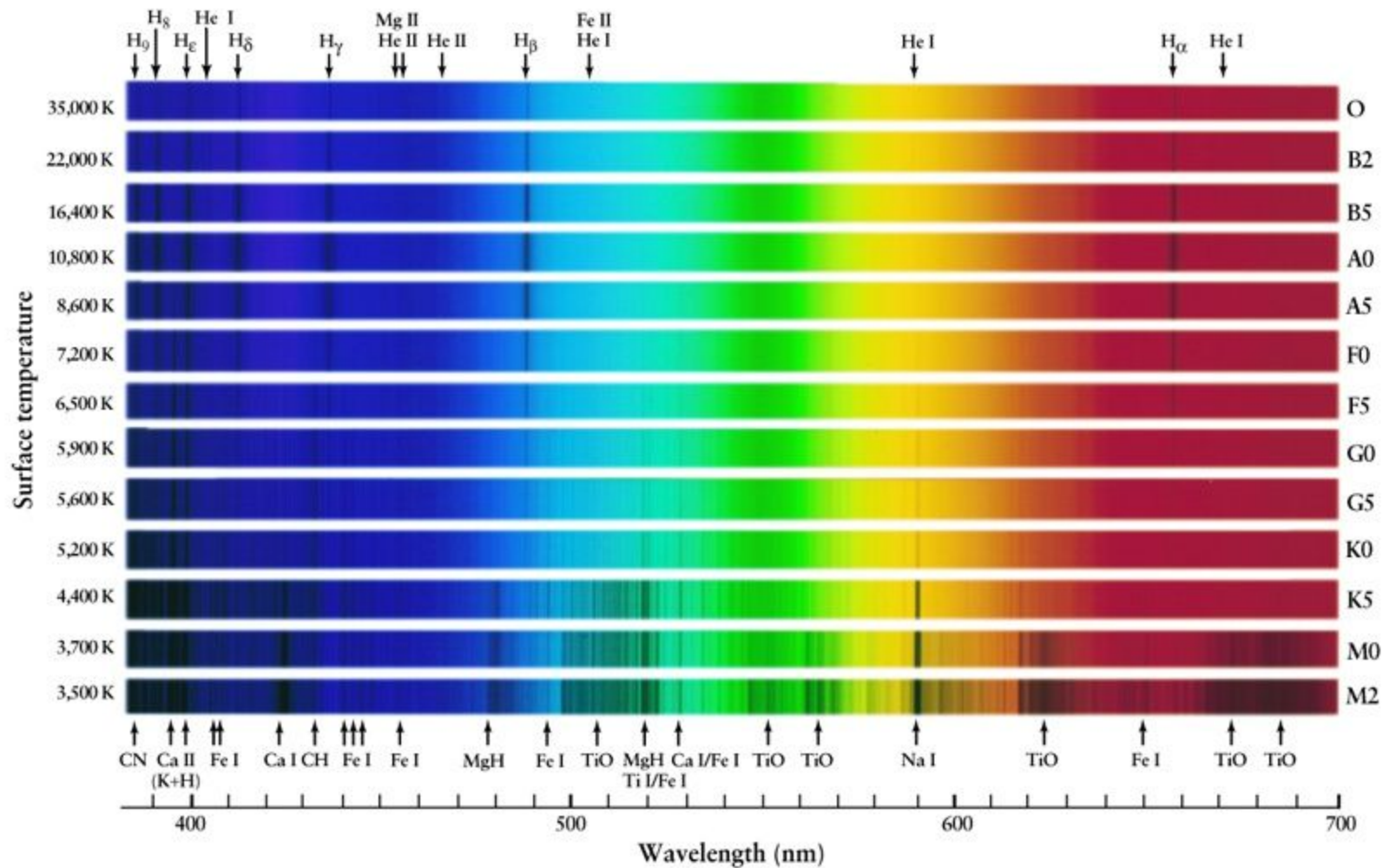


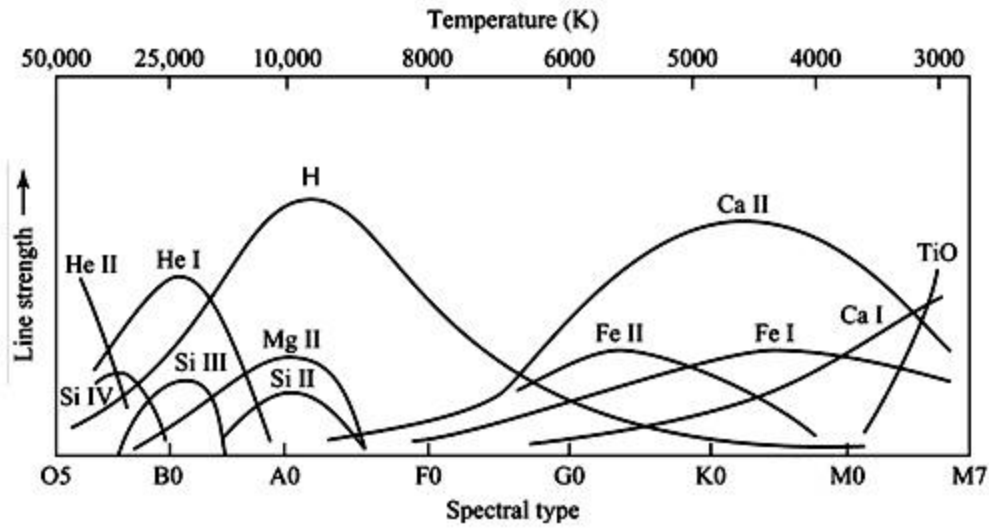
K



M

S





# H-R Diagram

