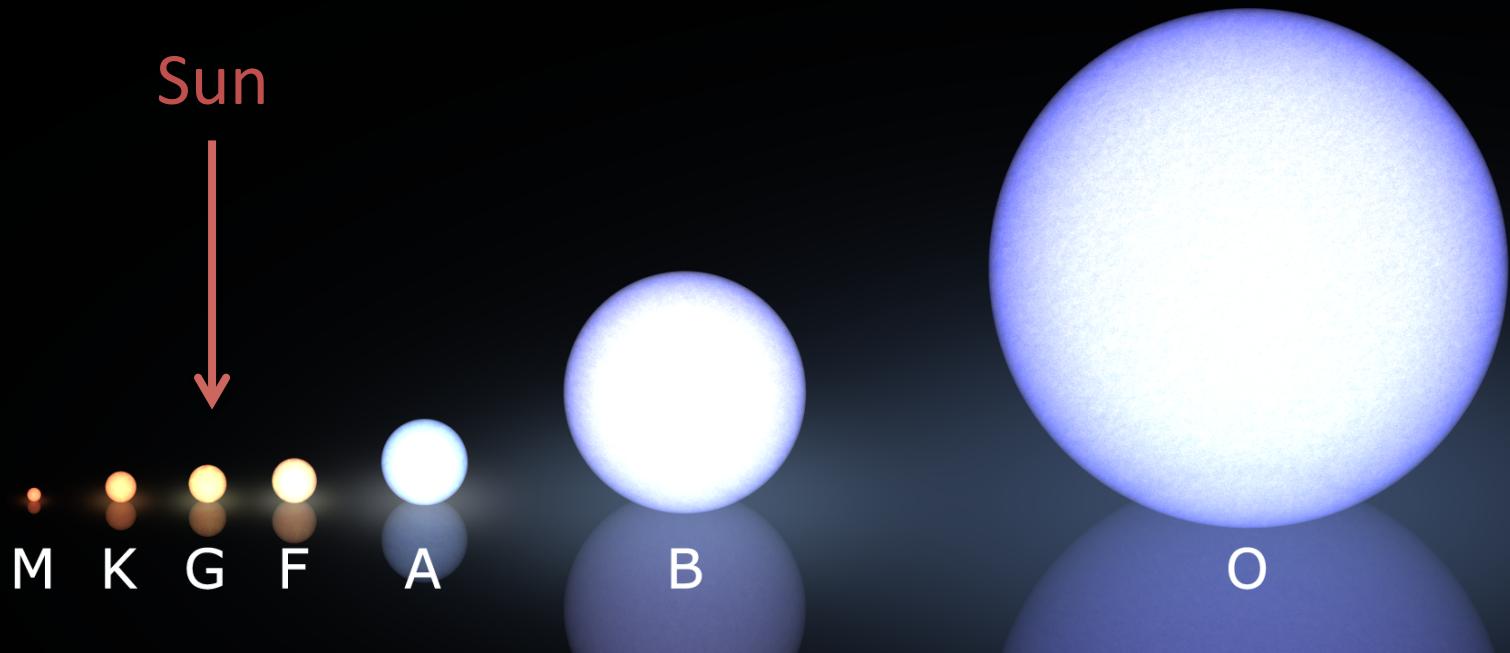


# **Week 4: Exoplanet Host Stars**

# Stellar Classification



**Would it be easier to detect a  
planet around an O type star than  
around a G type star?**

**Would it be easier to detect a  
planet around an M type star than  
a G type star?**



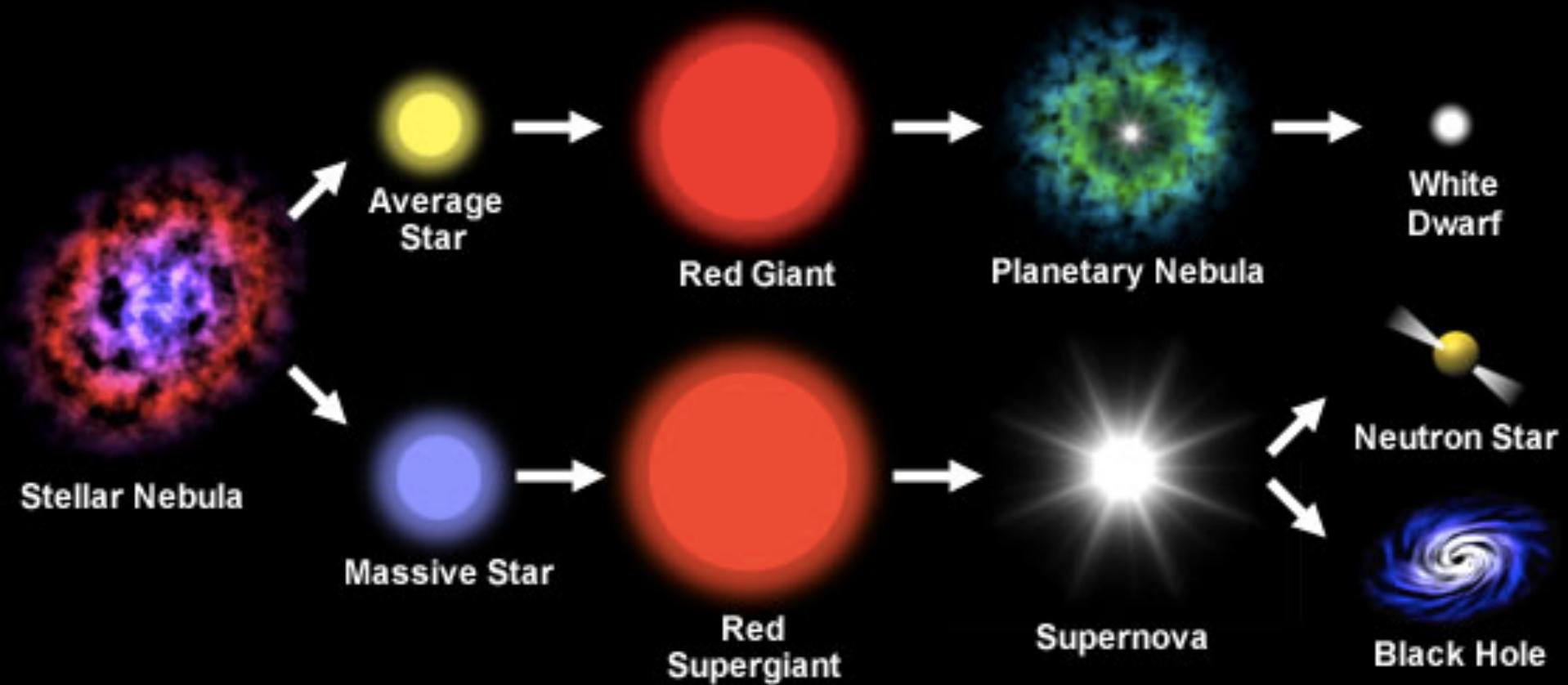
The Sun

↑  
Earth!!



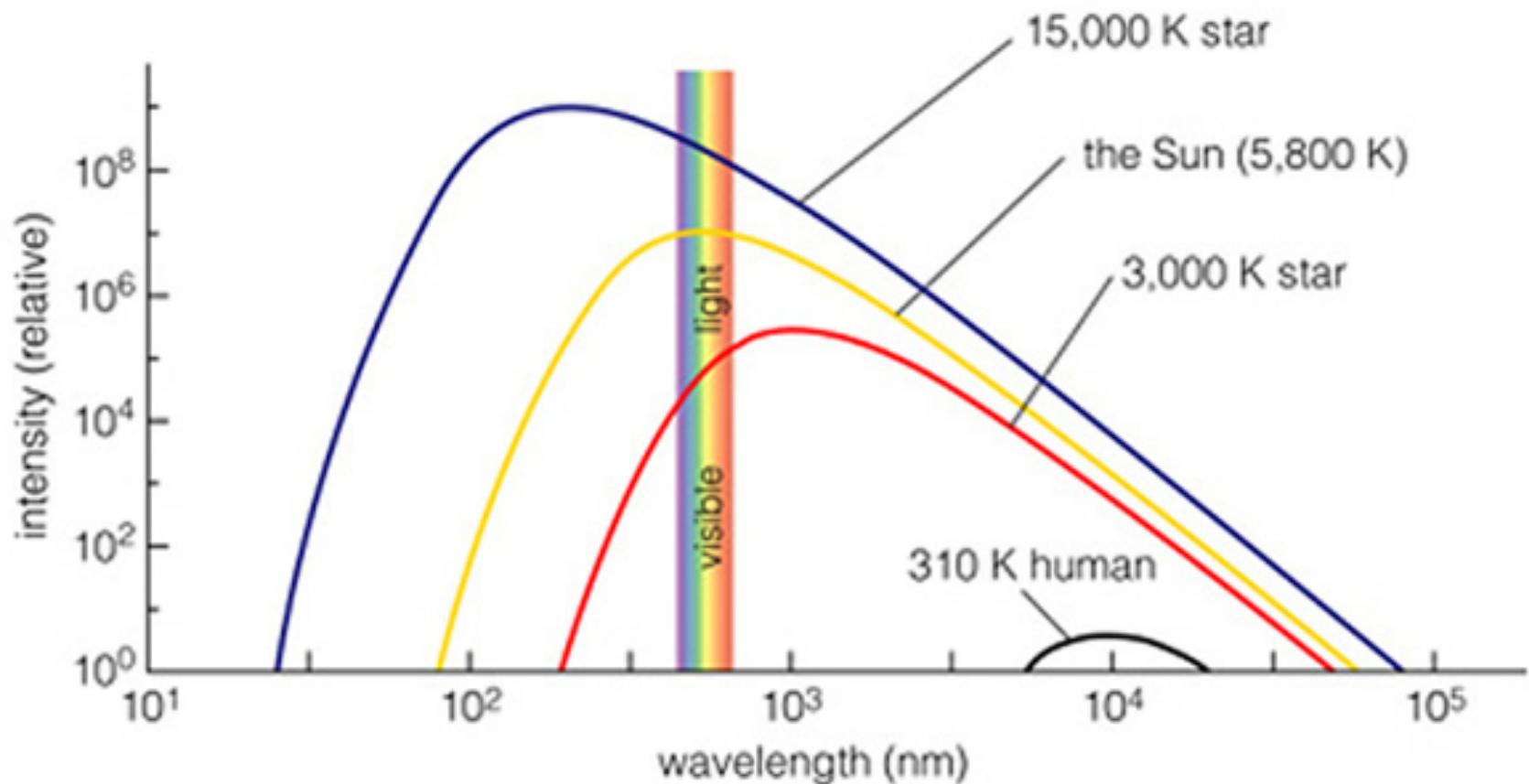
# Stellar Evolution

less mass = longer lifetime

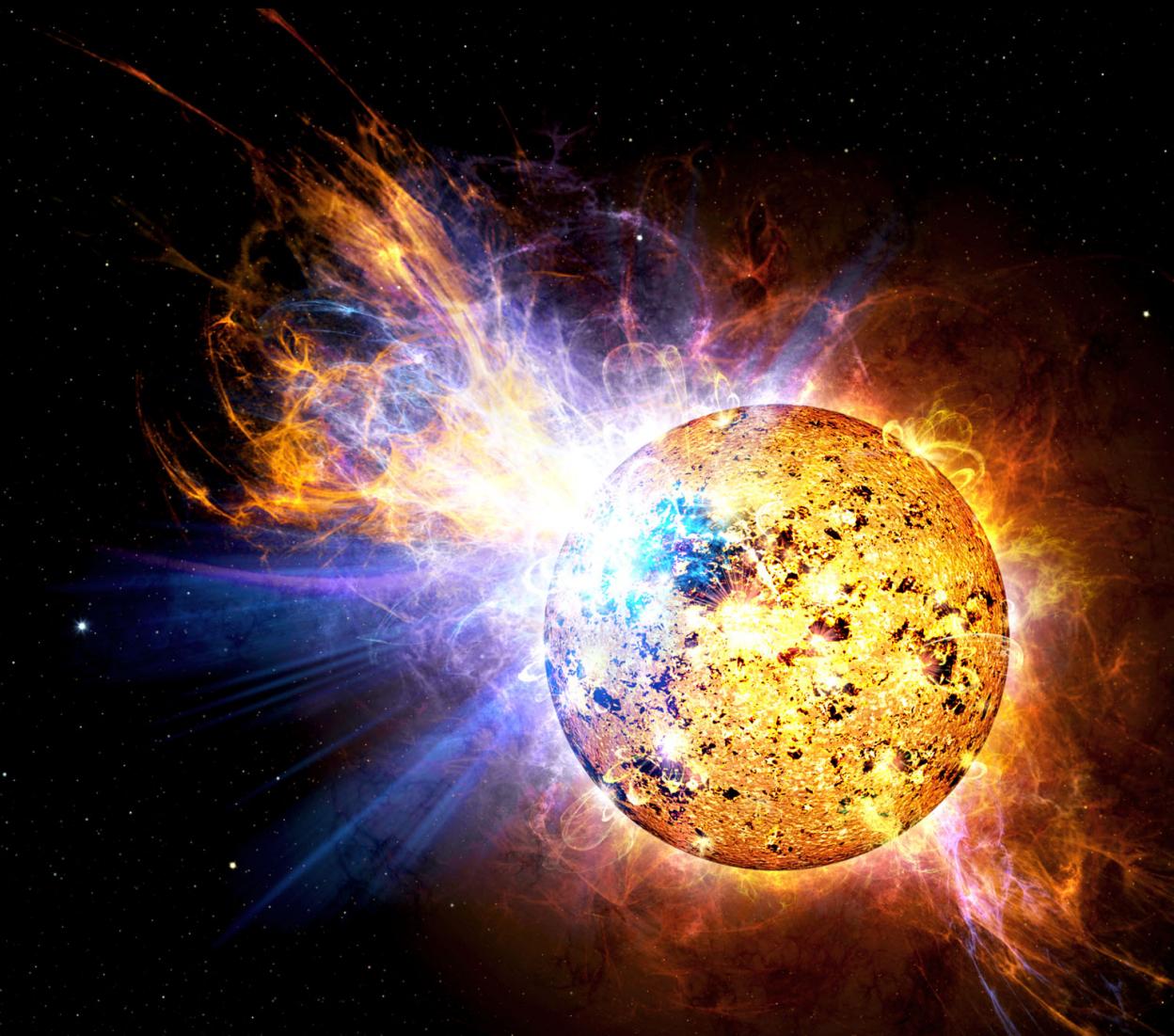


more mass = shorter lifetime

# The Light From Stars



# Stellar Activity



# Looking Through Alien Eyes

