

Astro 5 Hertzsprung-Russell Diagram Final Review

Make sure you know the various important regions of an HR diagram, that you understand how parameters like stellar luminosity, temperature, radius, main sequence masses, and main sequence lifetimes can be indicated on the diagram.

Make sure you understand how the spectral types relate to temperature (as in the table below), and how the main sequence masses (in the table below) relate to main sequence spectral types.

O	B	A	F	G	K	M
35000K	20000K	9000K	7000K	5800K	4500K	3200K
$60M_{\odot}$	$10M_{\odot}$	$2M_{\odot}$	$1.4M_{\odot}$	$1M_{\odot}$	$0.7M_{\odot}$	$0.3M_{\odot}$

