## My First H-R Diagram

	10 Million Years	100 Million Years	1 Billion Years	10 Billion Years	50 Billion Years	100 Billion Years
(Half the mass of the Sun)						
0.5 M⊚						
Small Stars						
(3/4 the mass of the Sun)						
0.75 M <b>⊚</b>						
Small-Medium Stars						
(Same mass as the Sun)						
1 M©						
Medium Stars						
(3 Times the mass of the Sun)						
3 M®						
Medium-Big Stars						
(20 Times the mass of the Sun)						
20 M⊚						
Big Stars						
(65 Times the mass of the Sun)						
65 M⊚						
/ery Big Stars						

## Star's Expected Lifetime



star Sun (M⊚ )

of the

Mass

to the

Compared

"Why does this graph look weird?" This graph is on a logarithmic scale. Star life spans and sizes are so different from each other we couldn't fit them on a linear graph so we use a logarithmic graph to see all of the data

