

Table 1: Lifetimes of Stars

<b>Class</b>	<b>Color</b>	<b>Mass *</b>	<b>Lifetime on Main Sequence</b>	<b>How Many Times the Lifetime of the Sun?</b>
<b>O</b>	Blue White	40 x $M_{\text{Sun}}$	3 million years	
<b>B</b>	Blue White	6.5 x $M_{\text{Sun}}$	80 million years	
<b>A</b>	White	2.1 x $M_{\text{Sun}}$	1.5 billion years	
<b>F</b>	Pale Yellow to White	1.3 x $M_{\text{Sun}}$	5 billion years	
<b>G</b>	Yellow	$M_{\text{Sun}}$	10 billion years	1
<b>K</b>	Orange	0.7 x $M_{\text{Sun}}$	35 billion years	
<b>M</b>	Red	0.2 X $M_{\text{Sun}}$	250 billion years	

\*  $M_{\text{Sun}}$  is the mass of the Sun. The mass of the Sun is 2,000,000,000,000,000,000 trillion kilograms (or  $2 \times 10^{30}$  kg)!

This table is for **main sequence** stars, a representative star for each class.

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