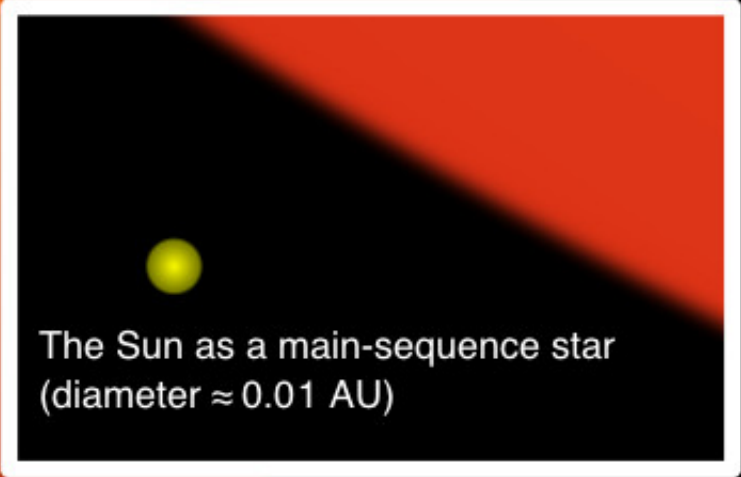


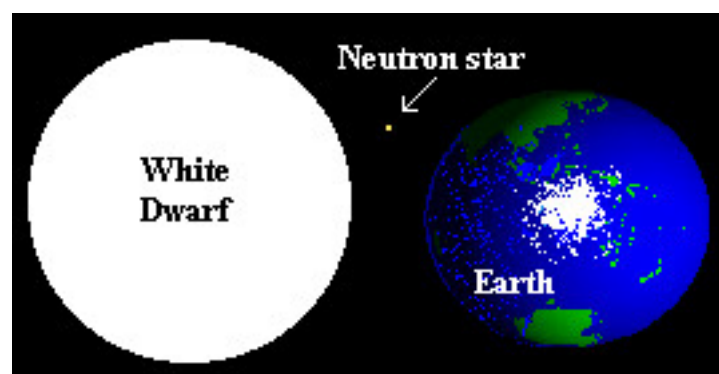
The Sun as a red giant
(diameter ≈ 2 AU)

This diagram illustrates the vast difference in size between the Sun in its current main-sequence phase and its future red giant phase. A large orange-red circle represents the red giant, with a diameter of approximately 2 AU. A small yellow-green dot represents the main-sequence Sun, with a diameter of approximately 0.01 AU. A white-bordered inset provides a magnified view of the main-sequence Sun, showing its relative size compared to the much larger red giant. The background is black, and the text is in white.



The Sun as a main-sequence star
(diameter ≈ 0.01 AU)

This inset shows a magnified view of the Sun as a main-sequence star, represented by a small yellow-green dot. The text indicates its diameter is approximately 0.01 AU. The inset is framed by a white border and is positioned over the larger red giant circle.





neutron star



1 solar mass star



.5 solar mass star



red giant

3 times solar mass star



supernova + black hole

