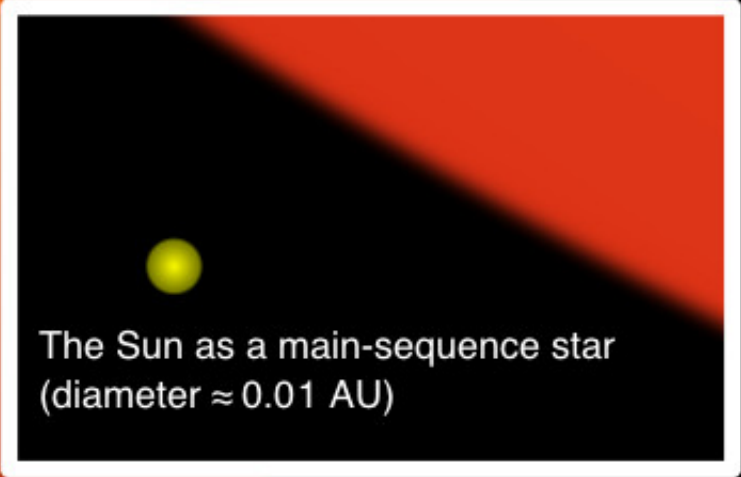


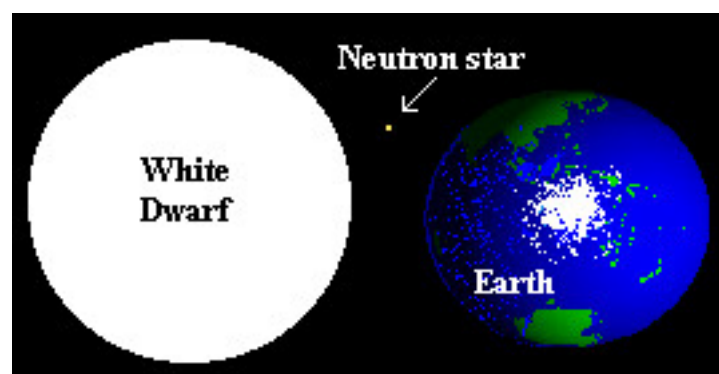
The Sun as a red giant
(diameter ≈ 2 AU)

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, while a tiny yellow dot represents the main-sequence Sun. A white-bordered inset provides a magnified view of the main-sequence Sun, showing its true scale relative to the much larger red giant.



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

This inset shows the Sun in its current main-sequence phase, depicted as a small yellow dot. The text indicates its diameter is approximately 0.01 AU, highlighting its minuscule size compared to the red giant phase shown in the main image.





neutron star



1 solar mass star

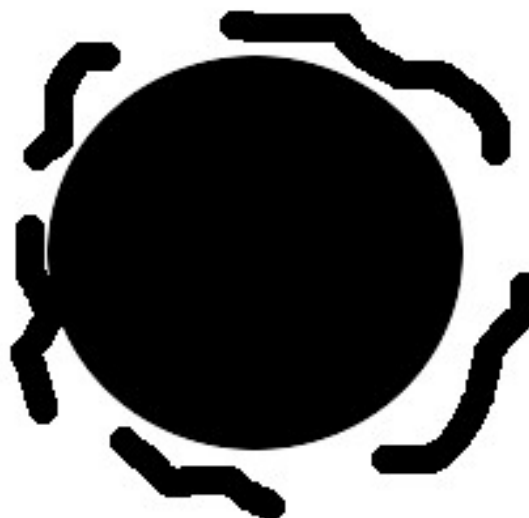


.5 solar mass star



red giant

3 times solar mass star



supernova + black hole

