

## Low-Mass Star Life Cycle

All stars start as a \_\_\_\_\_. A stellar nebula is a large cloud of gas and dust. Gravity can pull some of the gas and dust in a stellar nebula together. A contracting cloud is then called a \_\_\_\_\_. A protostar is the earliest stage of a star's life. A star is born when the gas and dust from a nebula becomes so hot that \_\_\_\_\_ starts. Once a star has "turned on", it is known as a \_\_\_\_\_. When a main sequence star begins to run out of \_\_\_\_\_ fuel, the star becomes a \_\_\_\_\_. After the low-mass star has become a red giant, the outer parts grow bigger and drift into space, forming a cloud of gas called a \_\_\_\_\_. The blue-white hot core of the star that is left behind cools and becomes a \_\_\_\_\_. The white dwarf eventually runs out of fuel and dies as a \_\_\_\_\_.

