

Cut out each statement below. Then reorder the statements in the correct order, starting with the title. Glue these into your notebook.

TITLE: BIRTH AND DEATH OF SMALL STARS

NOVA

- ❖ The outer layers are blown off
- ❖ The core material contracts
- ❖ The remnants are less than 1.44 times the size of our sun

BLACK DWARF

PROTOSTAR

- ❖ Contraction of the gases causes the temperature to reach 10000°K
- ❖ Hydrogen undergoes nuclear fusion to form helium and the star begins to shine

A NORMAL-SIZED STAR

- ❖ If the star is a smaller star, the hydrogen will be used up by nuclear fusion
- ❖ The core contracts while the outer layers expand
- ❖ The surface temperature decreases
- ❖ This process occurs slowly

WHITE DWARF

- ❖ Cools off by emitting radiation of energy

NEBULA

- ❖ A ball of gas whose gravitational attraction causes it to contract

RED GIANT

- ❖ Helium and carbon are consumed by nuclear fusion

