

Name: \_\_\_\_\_ Course: \_\_\_\_\_

### Word Bank

Gravity	Hydrogen	Main Sequence
Mass	Matter	Nebula
Nuclear Fusion	Protostar	Sun

1. The \_\_\_\_\_ of the star determines its life cycle.
2. The mass of a star is determined by how much \_\_\_\_\_ is available.
3. The \_\_\_\_\_, or giant cloud of dust and gas a star is born from, supplies the matter.
4. \_\_\_\_\_ gas from the nebula comes together over time.
5. The gas is pulled together by \_\_\_\_\_ and starts to spin.
6. As the gas spins faster and heats up, it becomes a \_\_\_\_\_.
7. Then, in the cloud's core, \_\_\_\_\_ occurs when the temperature reaches 15 million degrees.
8. The cloud grows and becomes stable to form a \_\_\_\_\_ star.
9. This is the first stage in the sequence of a star's life cycle and the \_\_\_\_\_ is in this stage now.