**Formation of the Solar System**



1. A rotating nebula starts to\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Because it rotates as it contracts, the nebula begins to flatten out.



1. As the rotation and contraction continue, a bulge forms at the center (will become the \_\_\_\_\_\_\_\_\_ ). The disk of cooler material away from the centre will become the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



1. The cooler the matter collects into “chunks” due to\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ . Over time these “chunks” form planets.



**Features of our Solar System**

**The Sun**

* Formed from a \_\_\_\_\_\_\_\_\_\_\_\_\_ about 5 billion years ago
* Currently in the \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stage

**Terrestrial Planets**

* Formed from clumps of matter in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ region of the nebula
* A sudden burst of energy from the Sun blasted the H (Hydrogen) and He (Helium) out of this inner region, leaving behind chunks of heavier matter
* These heavier chunks eventually collided and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ held them together.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

****

**Jovian Planets**

* Formed from small clumps of matter that appeared in the \_\_\_\_\_\_\_\_\_\_ areas of the nebula as the Sun was forming.
* These clumps condensed to form the \_\_\_\_\_\_\_\_\_ giants
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

****

**Remaining Matter**

The remaining matter in the solar system eventually formed minor bodies such as\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.