**Astronomy Booklet Guidelines**

PAGES REQUIRED CONTENT

**1st** (front) = **Creative Cover** with **your name** and the **title**: **Astronomy Booklet** (*minimum 3 colors and 1 drawing*)

Points: [\_\_\_\_\_/5]

**2nd** = **Hierarchy** of cosmic objects from **small to large**- *moon, planet, star, solar system, galaxy, universe*

(minimum of 4 drawings w/ color)

Points: [\_\_\_\_\_/5]

**3rd**= **Description** (*or drawing*) of formation of the solar system, including **nebular hypothesis, nebula, and accretion disc** (*p. 647*)

(include key word “**GRAVITY**” & how it makes this happen)

Points: [\_\_\_\_\_/5]

**4th** & **5th** = **Earth Motions**- (*2 page drawing, minimum 3 colors*)

-Earth’s tilted axis & equator -the Sun & directional arrows of Earth’s orbit

-4 seasons labeled -Northern and Southern Hemisphere labeled

Points: [\_\_\_\_\_/10]

**6th** = **Planetary Motion**- **Kepler’s 3 Laws** (*list & explain, with pictures*, p. 618 and your notes)

Definitions for ***Barycenter****,* ***Precession****,* ***Nutation****,* ***Rotation****, &* ***Revolution*** (*from notes*)

Points: [\_\_\_\_\_/15]

**7th** = **The Universe**- Explain **The Big Bang Theory** & **red shift** (*p. 719*)

Points: [\_\_\_\_\_/5]

**8th** (back) = **Solar radiation**- Draw the **electromagnetic spectrum** (including all types of light, p. 674)

Explain how it is created through **Nuclear Fusion** (*p. 689*)

Explain how it makes life possible on Earth- **photosynthesis** (*p. 433*)

Points: [\_\_\_\_\_/5]

Total: [\_\_\_\_\_/50]