**Sequential Order Chart**

**Concept/subject: 8 Characteristics of Life**

Characteristic 1: Organization

* Molecules/cells (proteins, fats, cabs, nucleic acids)

Cells = Tissue = Organs = Organ System = Organisms

Characteristic 2: Response to Stimulus

Respond to environment: Stimulus = Response

Characteristic 3: Maintain Homeostasis

Combination of life functions working together

Characteristic 4: Metabolism – Total of life processes

Combination of life functions working together

Characteristic 5: Growth

Increase in size

Characteristic 6: Development

Develop through various stages like babies and adults

Characteristic 8: Adapt to Environment

Variation of individuals make healthy species; species must change to survive

Characteristic 7: Reproduction and Hereditary (Asexual and Sexual)

Must have for species to survive