

In this section of your portfolio you should include:

1. Create a chart to compare the **advancements** of each phylum over the previous phylum. Your comparison chart should have many criteria such as "tissue layers" and describe this criteria for the phyla you are comparing.

**Possible** criteria for comparison (you may choose from this list or other criteria you can think of). Focus on what makes one phylum **more advanced** than the previous.

- Tissue layers and organization
- Levels of organization - colonial vs multicellularity
- Cephalization
- Development of a coelom
- Symmetry
- Reproduction
- Life cycles
- Body plans and specialized structures
  - Feeding
  - Excretion
  - Reproduction
  - Response and motility

**Be detailed, specific, and thorough! Diagrams and explanations are encouraged.**

Your comparisons will be:

- a) Porifera vs Cnidaria
  - b) Cnidaria vs Platyhelminthes
  - c) Platyhelminthes vs Nematoda.
2. Compare the characteristics of a successful parasitic worm to those of a successful free-living worm.
  3. Choose a flatworm or roundworm which is parasitic that you found interesting (or particularly disgusting!). Describe how they enter the human body, any intermediate hosts they have, where they live, how they affect the human host (disease etc), and preventative and/or treatment options.
  4. Labelled photo(s) of your ascaris dissection, showing labeled reproductive structure(s) and digestive structure(s).

**The section is due:** \_\_\_\_\_ **(this is also the test date!!)**

**Marking:**

- Completion of the required items: /3
- Depth of knowledge: /5
- Quality of the work: /2

**TOTAL: /10**