

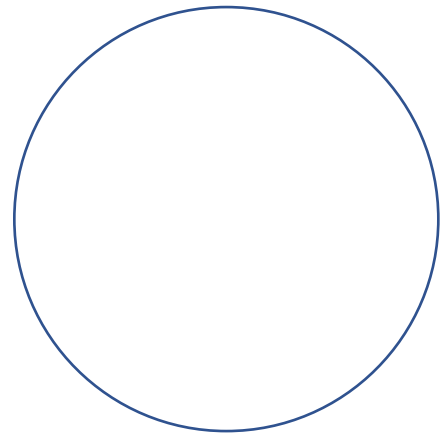
## Hydra Lab

- 1) What Kingdom and Phylum does Hydra belong to? List two other groups of animals that belong to the same phylum.  
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- 2) Most cnidarians live in marine (ocean) environments. Where do Hydra live? (Research)  
\_\_\_\_\_
- 3) How do most Hydra reproduce? Draw a short comic strip to show what this looks like. Include captions for your drawings if needed to explain what is happening.

- 4) Sketch the Hydra on low magnification. Label the following to the best of your ability: tentacles, epidermis, gastrovascular cavity, mesoglea, basal plate.

- 5) Zoom in to your slide on high magnification.

- a. What colour is the epidermis? \_\_\_\_\_
- b. What colour is the mesoglea/gastrovascular cavity?  
\_\_\_\_\_
- c. Based on its colour, what germ layer are tentacles primarily composed of: ectoderm, mesoderm, or endoderm?  
\_\_\_\_\_



- 6) a. What are cnidocytes? Where can cnidocytes be found?  
\_\_\_\_\_
- b. Describe how a cnidocyte works, in your own words. Use diagrams if you wish.
- c. Which of the two germ layers are cnidocytes located in? Explain why it 'makes sense' that a cnidocyte would be located in this germ layer.