Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_\_\_\_

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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1. Most cnidarians live in marine (ocean) environments. Where do Hydra live? (Research)

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1. 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.
2. Sketch the Hydra on low magnification. Label the following to the best of your ability: tentacles, epidermis, gastrovascular cavity, mesoglea, basal plate.
3. Zoom in to your slide on high magnification.
	1. What colour is the epidermis? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. What colour is the mesoglea/gastrovascular cavity? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. Based on its colour, what germ layer are tentacles primarily composed of: ectoderm, mesoderm, or endoderm? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. a. What are cnidocytes? Where can cnidocytes be found?

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1. Describe how a cnidocyte works, in your own words. Use diagrams if you wish.
2. 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.