



**INTRODUCTION:**

1. DESCRIBE what an Aurelia jellyfish looks like. \_\_\_\_\_  
\_\_\_\_\_
2. In this animal a sexual generation produces what kind of organism? \_\_\_\_\_
3. The asexual form, in turn produces what? \_\_\_\_\_
4. Since the life cycle goes back and forth between sexual and asexual forms of this animal, Aurelia is said to have what kind of pattern in its life cycle?  
\_\_\_\_\_

**PLANULA STAGE (SLIDE 1):**

5. How big are these planula larvae? \_\_\_\_\_
6. List the steps that led to their looking the way you see them here.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. How similar are these baby Aurelias to the adult jellyfish that produced them? (See life cycle picture on back of booklet.)  
\_\_\_\_\_

**HYDROID FORM (SLIDE 2):**

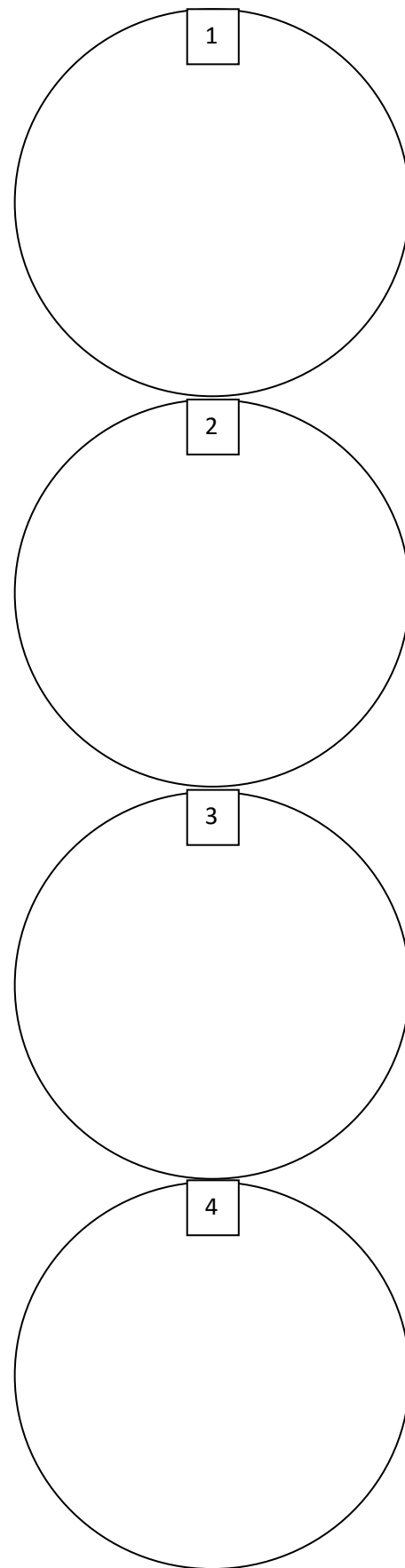
8. What does the planula larva do after its life of freedom?  
\_\_\_\_\_
9. What is another name for the hydroid form?  
\_\_\_\_\_

**BUDDING POLYP (SLIDE 3):**

10. How long can Aurelia live in the polyp form? \_\_\_\_\_
11. How does this form of Aurelia produce new polyps?  
\_\_\_\_\_

**CONSTRICTIONS IN POLYP (SLIDE 4):**

12. How is the polyp in this slide different from the polyp in slide 2?  
\_\_\_\_\_  
\_\_\_\_\_
13. How is the polyp in this slide similar to the polyp in slide 2?  
\_\_\_\_\_  
\_\_\_\_\_



**STROBILIZATION (SLIDE 5):**

14. Strobilization is a method for \_\_\_\_\_ reproduction.  
15. What does the process of strobilization do?

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16. What seems to have happened to the tentacles from slide 4?

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**EPHYRA STAGE (SLIDE 6):**

17. In your drawing, label the mouth, gonads, and sense organs.  
18. How did this ephyra form?

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**SENSE ORGAN (SLIDE 7):**

19. In your drawing, label the lobes, sense organ, hood, eye spot, and balance organ.  
20. What is the function of the two lobes?

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21. Where are the chemical sensitive pits located?

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**YOUNG JELLYFISH (SLIDE 8):**

22. How does the ephyra in this slide already behave like an adult Aurelia? \_\_\_\_\_  
23. Once this young jellyfish matures, what will happen to make this whole cycle happen again? \_\_\_\_\_

**REVIEW:**

Indicate the stage in the life cycle of Aurelia from the descriptions:

- \_\_\_\_\_ Separated saucers swimming away as individuals.  
\_\_\_\_\_ Free swimming larvae covered with beating cilia.  
\_\_\_\_\_ Horizontal constrictions, cutting polyp into segments.  
\_\_\_\_\_ Has tentacles and looks like a hydra.

