



Glowing Jellyfish

Grades
3-5

Student Activity Workbook

Name: _____

Date: _____

Engineering Notebook



Seaworthy STEM™ in a Box Series

Glowing Jellyfish

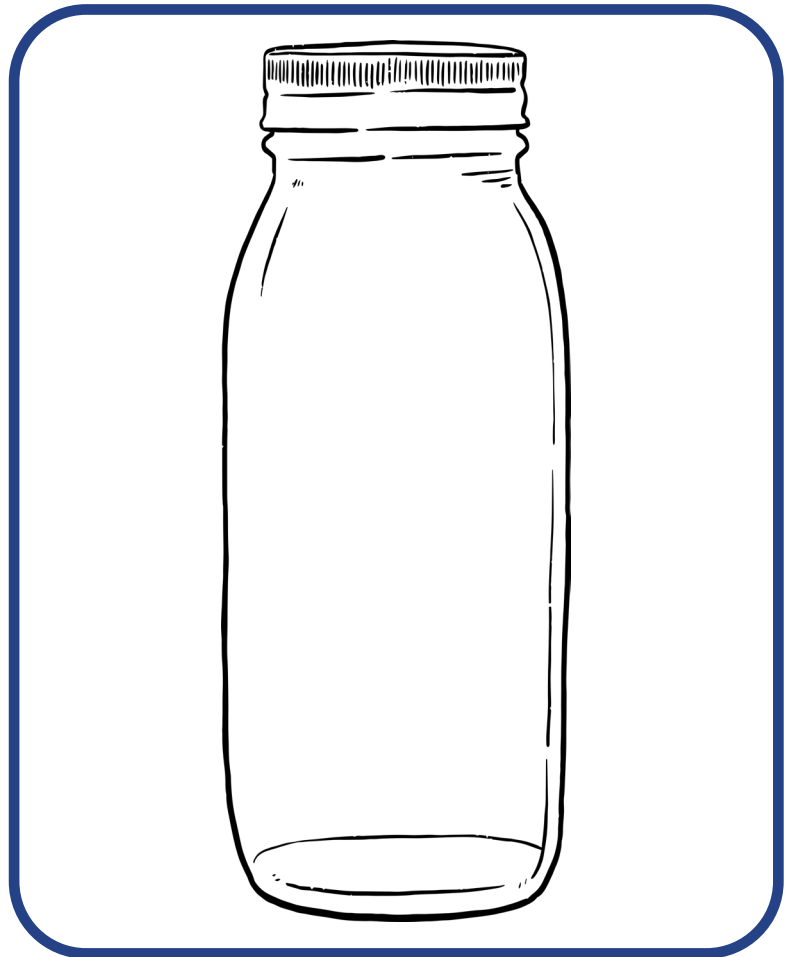
- 1** In the drawing box, use your observations and draw the glowing jellyfish moving within the bottle. Use arrows to represent the movement of the glowing jellyfish in the bottle.

Fun Fact!

The anglerfish typically lives 1,000 meters below the ocean surface. The female Anglerfish are bioluminescent, the light is produced in the "esca".

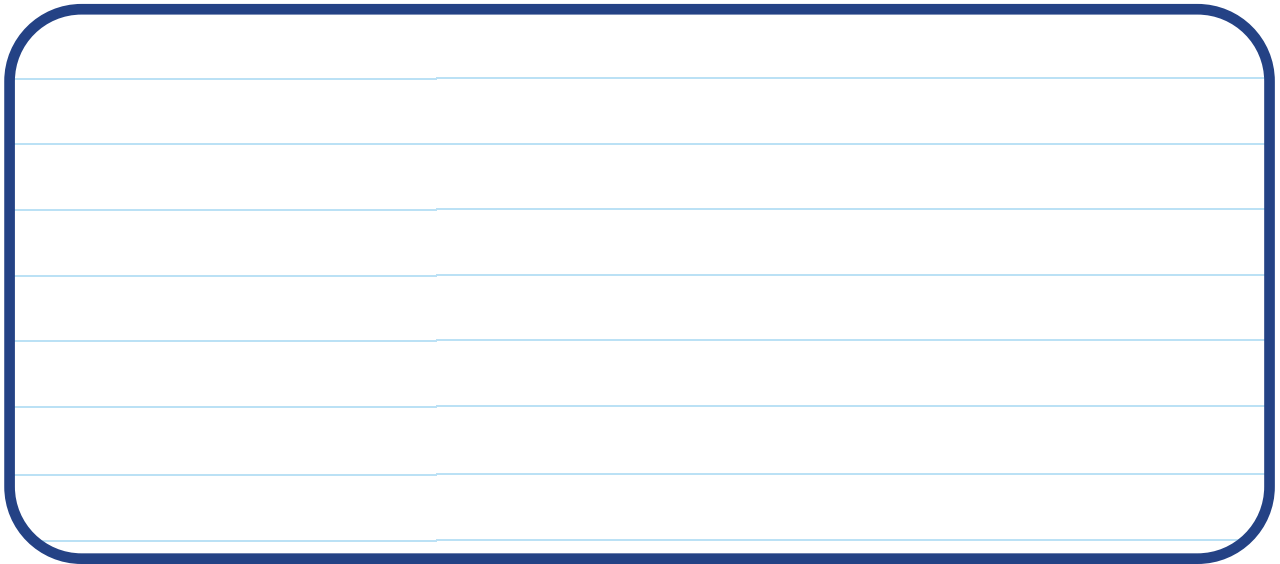


The bulbous appendage that is at the end of its "fishing rod". This light is used to lure its prey.



- 2** The jellyfish you have designed should successfully move up and down within the bottle.
1. Describe in the text box, why the jellyfish can move up and down?

2. Did anything else help make the jellyfish move up and down?



3 Fill in the blank:

The acting force of your hand squeezing the bottle causes the jellyfish to move _____. Squeezing the bottle is creating _____. When you release your hand, the jellyfish moves _____. When you release the bottle, you are no longer causing _____.

4 Many deep sea creatures like some jellyfish have the ability to use **bioluminescence**. This trait is crucial for animals to live in extreme conditions. Why do you think it is important for an animal to be able to produce its own light?



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