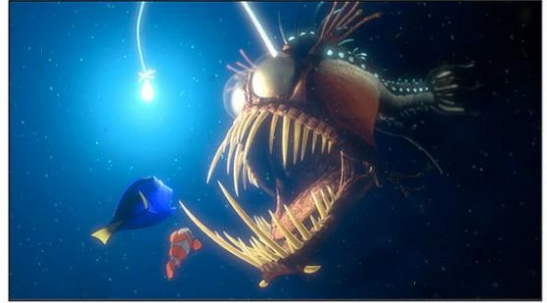


# Lab: Light at the Bottom of the Deep, Dark Ocean

(modified from Ocean Explorer)  
(MAKEUP VERSION)

## What We Did in Class:

After choosing a feeding appendage and putting on blue-tinted goggles, students competed to capture prey in the deep sea.



## What You Need to Do:

Watch the video at <https://youtu.be/1KeDBpkrDUA> and answer the following questions:

1. What organisms did Edith Widder have in the jar shown to the audience?
2. Why do those organisms bioluminesce?
3. Explain how the fire shooter squid uses bioluminescence.
4. Describe one of the mechanisms that scientists have use to stimulate bioluminescence in the deep sea.
5. The absence of light is an important limiting factor for species in the deep sea. Name two other important limiting factors in the deep sea. (not in video)