*Botryllus schlosseri*

*B. schlosseri* has its native range in the north eastern Atlantic Ocean, but has now spread over the whole globe and is considered invasive in many places.

Climate change will alter the temperature of water and has the potential to alter the demographic vital rates and population growth rate of the species.

B. schlosseri has high thermal tolerance, and might benefit from increases in temperature in some of its invaded habitats. In California, current water temperature is 13.8°C, but the water temperature is predicted to increase by up to 4°C (upper estimate of predicted warming) by the year 2100.

Scientific question: How will climate warming influence the demography and population growth rate of *B. schlosseri*?

Please present:

1. A short overview of *B. schlosseri,* including a life cycle graph.
2. Hypothesis, based on the text above and any other information you find yourself.
3. Describe your experimental design. Will you conduct an experiment? How will you do it?
4. What would you measure?