

Upon completion of *The Barnacle Zone (WB)*, students should be able to:

1. Define "intertidal zone" and describe some of the unique aspects of that environment for living organisms.
2. Describe daily and monthly tidal cycles.
3. Explain how species distributions can be affected by the environment.
4. Provide examples of how species distributions can be affected by interspecies competition.
5. Given a distribution of species along an environmental gradient, describe the distribution with relation to the gradient and generate hypotheses to explain the distribution.
6. Design and conduct exclusion experiments to determine a species' ability to thrive in different environments.
7. Design and conduct transplant experiments to elucidate competitive relationships between two species.
8. Use data from exclusion and transplant experiments to explain observed distributions of competing species in complex environments.
9. Summarize the results of a set of experiments in a written report.