

# THE AMERICAN BIOLOGY TEACHER



## About Our Cover

Acorn Barnacles (*Semibalanus balanoides*) are common along the rocky shores and cold waters of the North Atlantic and North Pacific oceans. Unlike other crustaceans, once they reach adult form they are sessile, attaching themselves permanently to substrates such as rocks, marine pilings, boats, and ocean-dwelling animals.

Acorn barnacles are filter feeders, using modified appendages to draw water into their shells where they eat plankton and other particles. Intertidal residents, they trap water inside their shells and close themselves inside to survive during low tide. To reproduce, these hermaphrodites cannot self-fertilize but must mate with other individuals.

This photo was taken on the Maine coast by John Stiles, a retired science educator and long-time photographer who lives in Thailand and Maine.

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FOR AP Biology

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