

Marine Biotechnology

Learning Objectives

1. List and define the five primary research areas that are the focus of marine biotechnology.
2. Know the animals and potential products of aquaculture.
3. Know how biotechnology could provide for the improved health of marine animals.
4. Be familiar with microalgae and macroalgae, as well as the methods and applications involving the three types of macroalgae.
5. Know how algae may be used to produce biological fuels.
6. Be familiar with the applications of algal cell culture.
7. Be able to list the medical applications of products derived from marine organisms.
8. Know how biotechnology is used to study and aid the marine environment.
9. Know how marine organisms can potentially benefit terrestrial agriculture.
10. Know the potential benefits and problems posed by transgenic fish.