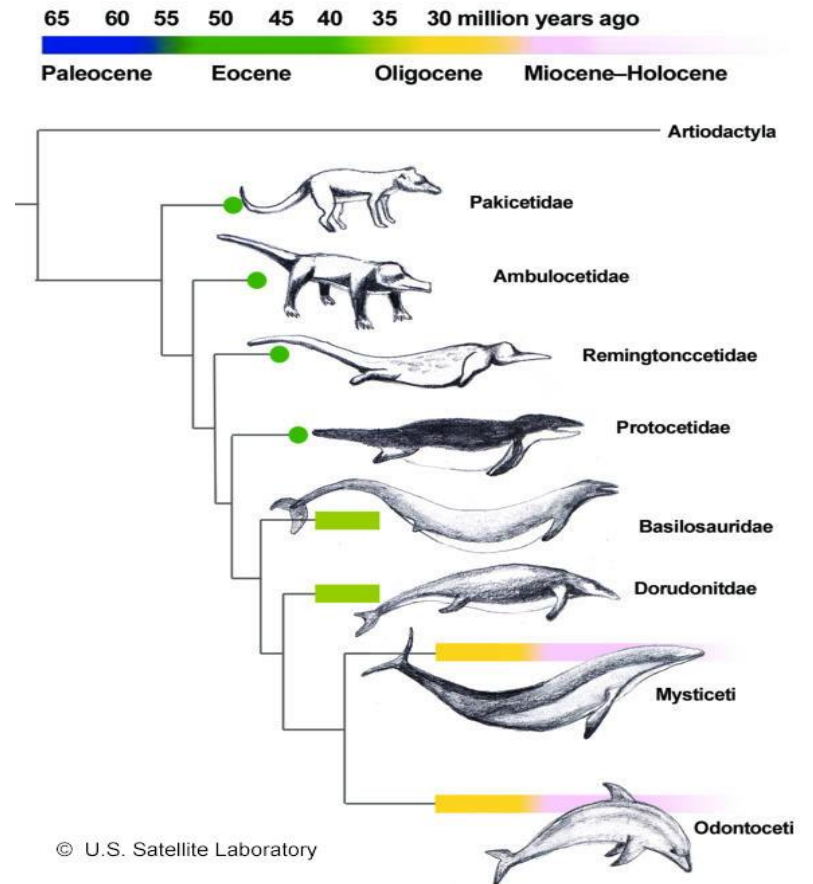


Changing Populations

Introduction

Read page 304 in the Marine Science: The Dynamic Ocean textbook and answers Qs 1 & 2. Consider the image and what information it can provide in your responses.



Changing Populations

GP: Sea Bean Activity

Working with your assigned group (table) complete the Sea Beans Activity.

1. One person from the group read the introduction on the Sea Beans Activity, then send one person from each group to acquire the appropriate supplies from the supplies station at the front of the classroom.
2. As a group, read through all the directions for Parts I, II and III before you begin.
3. Once you finish Part III, one person from the group should return all supplies back to the supply station.
4. In your group complete Part IV. All individuals in the group should be able to independently answer questions on this lab in later assessment(s).

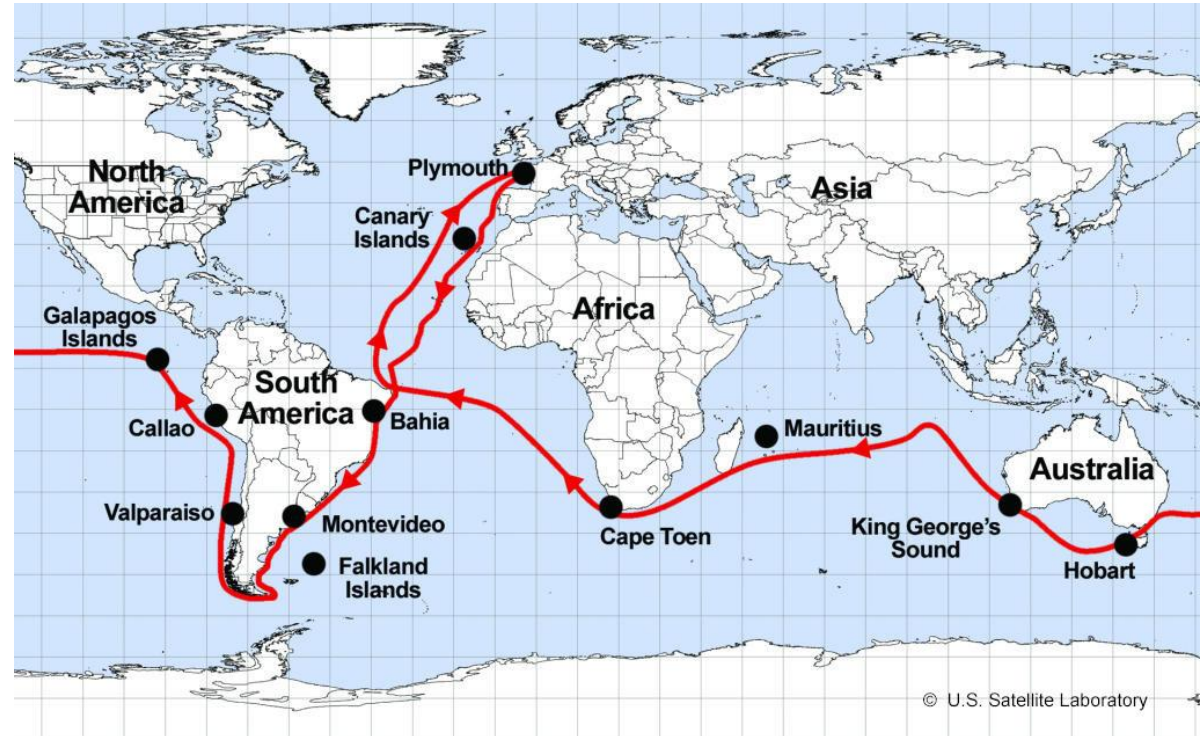


Changing Populations

GP: Darwin's Journey

Read pages 310 – 315 in the Marine Science: The Dynamic Ocean textbook, including the Study Spotlight, and complete the following:

1. Summarize Darwin's role and accomplishments during and after his voyage on the HMS Beagle.
2. How are overproduction, competition, and variation related? How do they ultimately lead to adaptation?
3. Describe what is meant by "fitness." How may fitness lead to speciation?



Changing Populations

IP: Red Lionfish Case Study

Read about invasive species on pages 315 – 316. Then read “The Red Lionfish” case study on pages 316 – 317. Complete the following:

1. Where are Red Lionfish naturally found? How did they get to Florida waters?
2. Why are Red Lionfish so dangerous to other species in Florida waters?
3. How are invasive species related to natural selection?

