## 2<sup>rd</sup> Semester Study Guide 2023 Marine Biology



There's plenty of fish in the sea...

andly many of them look like this

#### Chapters 8 & 9: Invertebrates

- Classification- Linnaean divisions
- Invertebrate characteristics, phyla pages 211, 252-253 of your textbook are a good summary
- Main characteristics, reproduction, ecological role of each phyla-
  - Be able to categorize animals based on names, types & descriptions
    - Echinodermata (Sea stars, Brittle stars, Urchins, Cucumbers, Sea lilies)
    - Arthropoda (Crustaceans, Decapods, Horseshoe Crabs)
    - Annelida (Polychaetes)
    - Mollusca (Chitons, Cephalopods, Bivalves, Gastropods)
    - Bryozoa, Comb Jellies, Flatworms
    - Cnidaria (Hydrozoans, Siphonophores, Anthozoans, Cubozoans)
    - Porifera.



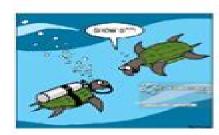
#### Chapter 10: Fish

- Vertebrate characteristics
- Types of fish (Jawless, Cartilaginous, Bony)
- Characteristics of Jawless fishes (hagfish and a lampreys)
- Characteristics of cartilaginous fish (sharks, rays, skates)
- Bony fish
  - Characteristics
  - Anatomy and functions of body parts of bony fish
  - Body shape, coloration, locomotion, respiration, sensory organs
  - Adaptations to avoid predations
  - Migration & reproduction

#### Chapter 11: Marine Reptiles & Birds

- Marine reptile- characteristics
- Reptile characteristics & adaptations for the ocean
  - Marine Crocodiles
  - Marine Iguanas
  - Sea Snakes
  - Sea Turtles
    - Feeding
    - Reproduction

    - Migration
    - Conservation
- Seabirds- characteristics & adaptations for the ocean
  - Shorebirds- Ovstercatchers, Herons
  - Gulls & Puffins
  - Pelicans.



- Albatross
- Penguins

#### Chapter 20: Human Impacts

- Climate change global warming & ocean acidification
- Different ways the fishing industry affect our oceans & how these impacts affect the marine life
- Toxic pollutants plastic, garbage patch, biomagnification
- Oil drilling impacts on the ocean and marine organisms & methods used to clean up an oil spill
- Invasive species
- Habitat Alteration
- Aquaculture
- Positive Impacts & what you can do

# **Biology 2nd Semester Study Guide**

**Alfred E. Zietlow** 

## **Biology 2nd Semester Study Guide:**

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Learning Opportunities Modoc Press, Inc.,2003-02-28 This book provides an overview of current K 12 courses and programs offered in the United States as correspondence study or via such electronic delivery systems as satellite cable or the Internet The Directory includes over 6 000 courses offered by 154 institutions or distance learning consortium members Following an introduction that describes existing practices and delivery methods the Directory offers three indexes Subject Index of Courses Offered by Level Course Level Index Geographic Index All information was supplied by the institutions Entries include current contact information a description of the institution and the courses offered grade level and admission information tuition and fee information enrollment periods delivery information equipment requirements credit and grading information library services and accreditation

College Biology I James Hall Zimmerman, Sophie E. Merritt, 1963

Mom and Dad Please Teach Me Joe Wesley, 2015-10-27 Joe Wesley grew up poor Indiana University Bulletin ,1977 knowing he was the grandson of a slave but he could sleep on his porch at night knowing that no one would do him any harm He believes the descendants of slaves and the descendants of slave owners can work together to make our country safe againand it starts with education Together we can set an example for others to follow In this guidebook written primarily for African Americans he delivers practical advice on teaching children math skills getting an education after dropping out of high school creating jobs that support communities learning from elders If the United States of America wants to set an example for the rest of the world and continue to be the worlds leading innovator it must begin with educating every single citizenregardless of origin or class status No matter what your background youll be inspired to keep learning with Mom and Dad Please Teach Me **Research in Education** ,1974 Handbook of Reading Research Michael L. Kamil, Peter B. Mosenthal, P. David Pearson, Rebecca Barr, 2014-04-08 In Volume III as in Volumes I and II the classic topics of reading are included from vocabulary and comprehension to reading instruction in the classroom and in addition each contributor was asked to include a brief history that chronicles the legacies within each of the volume s many topics However on the whole Volume III is not about tradition Rather it explores the verges of reading research between the time Volume II was published in 1991 and the research conducted after this date The editors identified two broad themes as representing the myriad of verges that have emerged since Volumes I and II were published 1 broadening the definition of reading and 2 broadening the reading research program The particulars of these new themes and topics are addressed

Unveiling the Energy of Verbal Art: An Mental Sojourn through Biology 2nd Semester Study Guide

In a global inundated with monitors and the cacophony of instantaneous transmission, the profound power and psychological resonance of verbal beauty frequently disappear in to obscurity, eclipsed by the continuous assault of noise and distractions. Yet, nestled within the lyrical pages of **Biology 2nd Semester Study Guide**, a captivating function of literary beauty that impulses with natural feelings, lies an wonderful journey waiting to be embarked upon. Published by a virtuoso wordsmith, that interesting opus instructions viewers on a psychological odyssey, delicately revealing the latent potential and profound impact stuck within the delicate internet of language. Within the heart-wrenching expanse of this evocative evaluation, we will embark upon an introspective exploration of the book is main themes, dissect its interesting publishing type, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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