

Name _____ Date _____ Per _____

EXPLORING YOUR TEXTBOOK- Biology, 9th edition



The Basics

- 1) What is the copyright © of your edition?
- 2) What is shown in the photograph on the cover? (include an “educated guess” on where you might find this organism) – see section 1.1 in CH 1!
- 3) Who is listed as the first author of the book? (include the area of research in which this author has done his/her research)

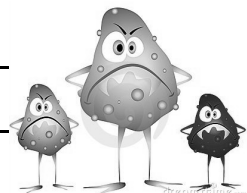
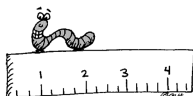


Table of Contents (p. xxxii-xlvi)

- 4) What is the title of Chapter 21?
- 5) On which page would we find concept 26.4, “An organism’s evolutionary history is documented in its genome”?
- 6) List / summarize the first three concepts of Chapter 46.

Appendices A-E (at the back of the book!)

- 7) What is the answer to Concept Check 4.2 question 1 (Ch 4)?
- 8) Appendix B: What are the **chemical symbols & atomic numbers** for the following elements: carbon, zinc, sodium, iodine.
- 9) Appendix C: How many inches are in 3 meters?



- 10) Appendix C: What is 155°C expressed in Kelvin?

- 11) Appendix D: What are the two types of lenses used in a light microscope?



- 12) Appendix E: List the classification sequence for mammals (domain, kingdom, phylum, class)

Glossary & Index

13) What is the given definition of the word "homeostasis"?

14) What is the given definition of the word "rod"?

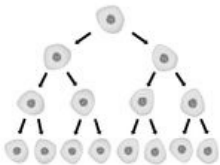
15) What is the given definition of the word "taxi"?

16) On what pages would you find information about "Hardy-Weinberg equilibrium"?

17) To what page should you refer to in order to find information on "chaperonins"?

18) On what pages will you find information about Edwin Chargaff's **rules** as they pertain to the structure of DNA?

A typical chapter



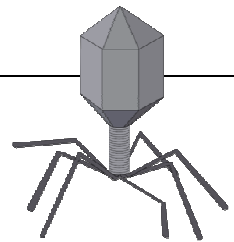
19) What is the title of Chapter 12?

20) What information does Figure 12.20 show?

21) How is a benign tumor different from a malignant tumor?

22) What is the title of Chapter 19?

23) What are the three key concepts in Chapter 19?



24) What is the general conclusion of the experiment described in Figure 19.2?

NOTE: The publishers of modern textbooks make extensive use of visuals, so study the pictures and read the captions! The pictures can be helpful in illustrating concepts.