

Name _____ Period _____

Chapter 42: Circulation and Gas Exchange

Concept 42.1 Circulatory systems link exchange surfaces with cells throughout the body

1. Gaining O_2 and nutrients while shedding CO_2 and other waste products occurs with every cell in the body. However, diffusion is rapid only over small distances. Describe the two general solutions to this problem.
2. Remember from Chapter 41 that you should look at how various animal groups solve the same problem. *Cnidarians*, which include the hydras and jellyfish, do not have a distinct circulatory system. How have they solved the problem of exchange?
3. *Flatworms* (phylum Platyhelminthes) such as planaria have a slightly different solution to this problem. What is it?
4. Larger animals must have a circulatory system to move fluid between cells and the outside environment. What are the three basic components of a circulatory system?
5. Contrast *open circulatory systems* with *closed circulatory systems*.
6. Which type of system does each of the following organisms have?
lobster
earthworm
clam
squid
dog

Fred Theresa Holtzclaw Ap Biology Guide Answers Ch 22

KJ Lindholm-Leary



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Fred Theresa Holtzclaw Ap Biology Guide Answers Ch 22 Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Fred Theresa Holtzclaw Ap Biology Guide Answers Ch 22**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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