Period

CHAPTER

cell theory

cytoplasm

organelle

CELL STRUCTURE AND FUNCTION

Vocabulary Practice

vacuole

lysosome

centriole

prokaryotic cell wall

eukaryotic cell chloroplast

cytoskeleton cell membrane

nucleus phospholipid

endoplasmic reticulum fluid mosaic model

ribosome selective permeability

Golgi apparatus receptor

vesicle passive transport

mitochondrion diffusion

concentration gradient

osmosis

Date

isotonic

hypertonic

hypotonic

facilitated diffusion

active transport

endocytosis

phagocytosis

exocytosis

A. Word Origins Circle the Greek and Latin word parts in each vocabulary term. Then use the Greek and Latin meanings to construct a very basic definition of the vocabulary word.

endo-		inside	hyper-	=	over, above	chloro-	= .	green
exo-		outside	hypo-	=	below	iso-		equal
phago-	_	eating	lys-	=	loosen	-tonia		state of
cyto-	=	cell	-plast	=	small body			

DEFINITION		
inside cell		
outside cell		
eating cell		
state of being over/above		
state of being below (Release		
equal State of being		
100860		
small arren body		

Copyright @ McDougal Littell/Houghton Mifflin Company

JABULARY PRACTICE, CONTINUED

WORD	DEFINITION		
9. cytopiasm	cell area		
10. cytoskeleton	cell Skeleton		

B. Analogies Read each analogy. Decide which term is most like it.

active transport /	exocytosis	passive transport		
cell wall	Golgi apparatus	ribosomes 🗸		
concentration gradient 🗸	nucleus 🗸	selective permeability 🗸		

- 2. Skin of a grape <u>Cell wall</u>
- 3. Allowing only invited guests in to your party Selectively permeable
- 4. Floating on a raft through a tunnel without paddling passive transport

 active transport

 5. A cab driving you to the party through heavy traffic goolgo appearately.
- 6. Spitting out watermelon seeds <u>exocutosis</u>
- 7. Thick fog in one area, clear in another Lon went ation
- 8. An accordion golgi appartetus Chighly folded!)
- 9. The chewy center of a candy nucleus

Write your own analogies to show the meaning of these terms:

10. cytoskeleton

Is like the bones in our body

11. phagocytosis

like eating a burrito i + then disgarding the waste

C. Vector Vocabulary Define the words in the boxes. On the lines across each arrow, write a phrase that describes how the words in the boxes are related to each other.

ACTIVE TRANSPORT

PASSIVE TRANSPORT

ntransport materials

OSMOSIS 4. movement

YPSINS ON PASSIVE

6. movement gas

DIFFUSION

7. Water (Solvent) levels determine

type of Solution

ISOTONIC rate in and Out

HYPOTONIC 9. More volvent than solute Conster ENTERS

HYPERTONIC 10. More Jaut

D. Who Am !? Choose among these terms to answer the riddles below:

cell membrane	facilitated diffusion /	phospholipid /		
cell theory	fluid mosaic model	prokaryotic cell		
centriole	lysosome 🗸	receptor		
endoplasmic reticulum /	mitochondrion	vacuole		
eukaryotic cell /	organelle	vesicle		

- 1. I carry out special jobs in a cell: ocquelle
- 2. I'm an important concept and I have three main points; the last is that all cells come from existing cells:
- 3. I make up the two layers of the cell membrane: phospholipid
- 4. I describe the cell membrane structure because it is flexible and could be compared to an arrangement of tiles: fluid mosaic model
- 5. I am the type of cell that has a nucleus; animal and plant cells are me: eukaryotic
- 6. I am the type of cell without a nucleus; bacteria are me: prokaryotic
- 7. I help molecules diffuse across a membrane through transport proteins: <u>facilitated diffusion</u>
- 8. I have two types, smooth and rough; I help produce proteins and lipids: endoplasmic reticulum
- 9. I contain enzymes and defend cells from viruses and bacteria; animal cells have lots of me:
- 195050mes

 10. I am an organelle shaped like a bean; I provide energy for a cell: _mitochondria
- 11. I am a cylinder-shaped organelle in animal cells, and I help make flagella: centriole
- 12. I am the outer edge that separates a cell from the outside environment; I control what goes in and out of a cell: <u>Cell membrane</u>
- 13. I receive signals from molecules and make sure the right cell gets the right signal at the right time: right time:
- 14. I'm a sac filled with fluid inside a cell; I store materials the cell needs: Vacuole
- 15. I'm a little organelle that carries materials from one part of the cell to another; I don't live long, but I can be recycled: Vesice!