

Exploring Cells

DIRECTIONS:

- 1) READ - in McGraw Hill app read pages 215-216, 223-225 and 227 - 229.
- 2) FILL IN - the names of the cell parts described using the reading and word bank below the table.

1 jelly-like fluid (mostly water) that fills the cell, outside the nucleus	
2 green part inside plant cells that use light energy to make their own food through photosynthesis	
3 thick structure/wall that gives plant and bacteria cells their shape and structural support	
4 directs cell activities and growth of plant and animal cells and contains their DNA	
5 flexible covering that protects the cell from the outside environment by controlling the movement of materials into and out of all cells	
6 stores food, water and waste for the cell	
7 bean-shaped structures that where chemical reactions occur, releasing energy	
8 small structures in the cytoplasm and on the Endoplasmic Reticulum where proteins are made	
9 web-like organelle that is the site of protein production and helps remove harmful substances from a cell - there are 2 kinds (rough & smooth)	
10 “stack of pancakes” looking structure where proteins are packaged into vesicles	
11 vesicles in an animal cell that break down and recycle cellular components	

NUCLEUS	CYTOPLASM	CELL WALL
CELL MEMBRANE	MITOCHONDRIA	VACUOLE
CHLOROPLAST(plant)	LYSOSOMES (animals)	GOLGI APPARATUS
RIBOSOMES	ENDOPLASMIC RETICULUM	