LESSON 3   Name _____

6ᵗʰ Grade Science Cells Part 3

Directions: Decipher the Code message listed below to uncover the sentences. Place the answers directly below the Code.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

1. 18+9+2+15+19+15+13+5 A tiny, somewhat mitten-shaped organelle occurring in great numbers in the cell cytoplasm either freely, in small clusters, or attached to the outer surfaces of endoplasmic reticula, and functioning as the site of protein manufacture. _____

2. 5+14+4+15+16+12+1+19+13+9+3 18+5+20+9+3+21+12+21+13 A network of tubular membranes within the cytoplasm of the cell, occurring either with a smooth surface (smooth endoplasmic reticulum) or studded with ribosomes (rough endoplasmic reticulum), involved in the transport of materials. _____ _____

3. 7+15+12+7+9 2+15+4+25 An organelle, consisting of layers of flattened sacs, that takes up and processes secretory and synthetic products from the endoplasmic reticulum and then either releases the finished products into various parts of the cell cytoplasm or secretes them to the outside of the cell. _____ _____

4. 3+5+12+12 23+1+12+12 The definite boundary or wall that is part of the outer structure of certain cells, as a plant cell. _____ _____

5. 22+1+3+21+15+12+5 A membrane-bound cavity within a cell, often containing a watery liquid or secretion. _____

6. 3+8+12+15+18+15+16+12+1+19+20 A plastid containing chlorophyll. _____

7. 2+9+14+1+18+25 6+9+19+19+9+15+14 "Division in half", is a kind of asexual reproduction. It is the most common form of reproduction in prokaryotes such as bacteria _____ _____

8. 13+9+20+15+19+9+19 A type of cell division that results in two daughter cells each having the same number and kind of chromosomes as the parent nucleus, typical of ordinary tissue growth. _____

9. 16+1+19+19+9+22+5 20+18+1+14+19+16+15+18+20 Is a movement of ions and other atomic or molecular substances across cell membranes without need of energy input. _____ _____