

LESSON 2 Name _____

6th Grade Science Cells Part 2

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

- 16+18+15+11+1+18+25+15+20+5 Any cellular organism that has no nuclear membrane, no organelles in the cytoplasm except ribosomes, and has its genetic material in the form of single continuous strands forming coils or loops, characteristic of all organisms in the kingdom Monera, as the bacteria and blue-green algae. _____
- 5+21+11+1+18+25+15+20+5 Any organism having as its fundamental structural unit a cell type that contains specialized organelles in the cytoplasm, a membrane-bound nucleus enclosing genetic material organized into chromosomes, and an elaborate system of division by mitosis or meiosis, characteristic of all life forms except bacteria, blue-green algae, and other primitive microorganisms. _____
- 3+25+20+15+19+11+5+12+5+20+15+14 A shifting lattice arrangement of structural and contractile components distributed throughout the cell cytoplasm, composed of microtubules, microfilaments, and larger filaments, functioning as a structural support and transport mechanism. _____
- 13+9+20+15+3+8+15+14+4+18+9+15+14 An organelle in the cytoplasm of cells that functions in energy production. _____
- 15+18+7+1+14 19+25+19+20+5+13 An organ system is a group of organs that work together as a biological system to perform one or more functions. Each organ system does a particular job in the body, and is made up of certain tissues. _____
- 8+15+13+5+15+19+20+1+19+9+19 the tendency toward a relatively stable equilibrium between interdependent elements, especially as maintained by physiological processes. _____
- 16+8+15+20+15+19+25+14+20+8+5+19+9+19 The process by which green plants and some other organisms use sunlight to synthesize foods from carbon dioxide and water. _____
- 3+5+12+12+21+12+1+18 18+5+19+16+9+18+1+20+9+15+14 Is a set of metabolic reactions and processes that take place in the cells of organisms to convert biochemical energy from nutrients into adenosine triphosphate (ATP), and then release waste products. _____