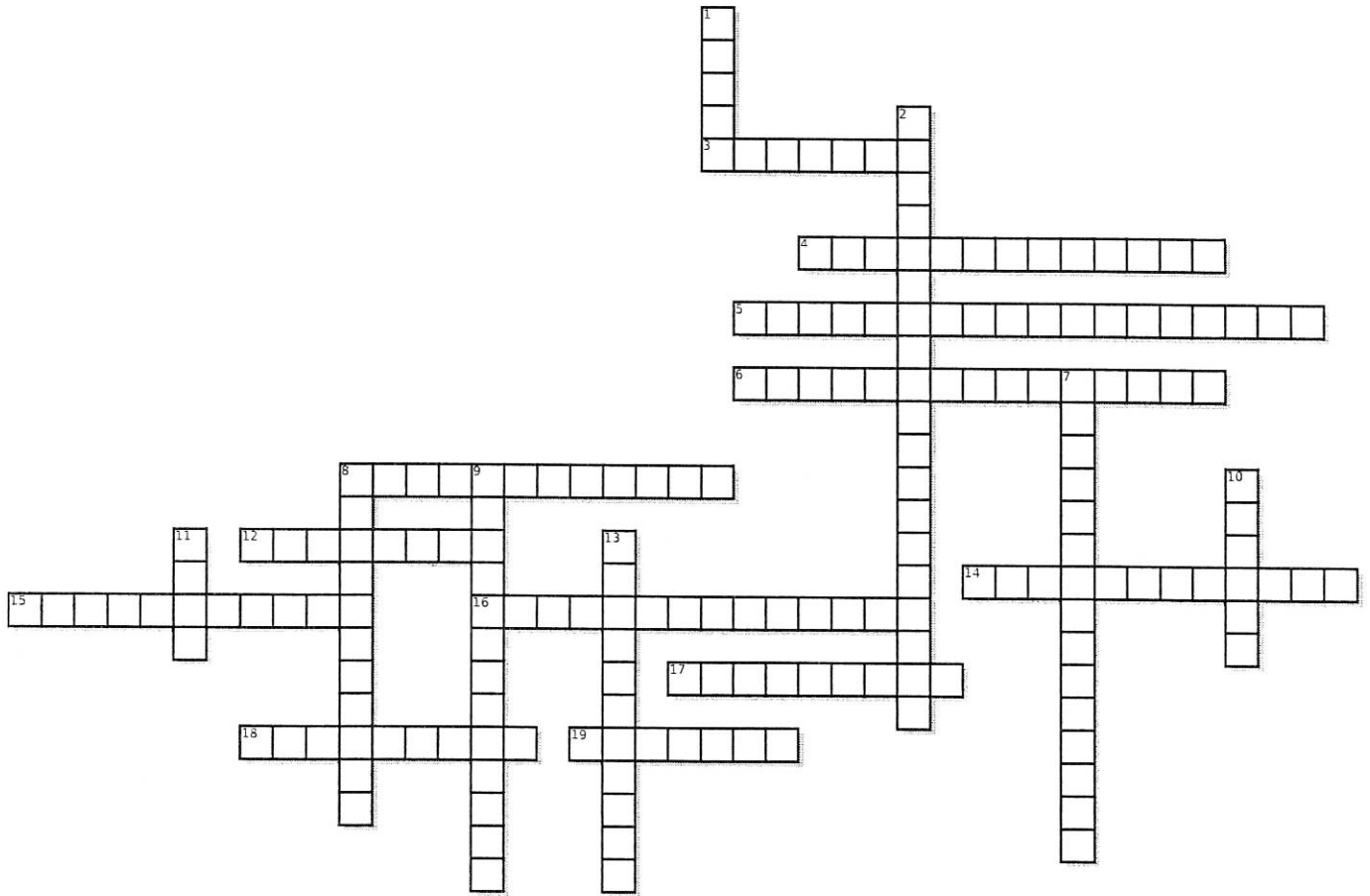


Name _____

Cells and Heredity Vocabulary



ACROSS

- 3 control center of the cell, directs all cell activities and contains the genetic material
- 4 characteristics learned or obtained from an organism's environment
- 5 reproduction requiring two parents, each of which provide a sex cell that unite to form a new offspring
- 6 the process by which a cell uses energy to move materials into and out of the cell
- 8 thin, flexible envelope surrounding a cell
- 12 rigid outermost boundary of plant cells, made of cellulose
- 14 process by which one cell divides into two cells, both of which are identical to the first
- 15 organism made of just one cell
- 16 characteristics passed from parent to offspring through genetic material
- 17 process by which substances move from an area of high

concentration to an area of lower concentration; how most materials get into and out of a cell

- 18 "tiny organs" within a cell
- 19 the diffusion of water

DOWN

- 1 a group of tissues working together to perform a specific function
- 2 reproduction requiring only one parent
- 7 cells that have a distinct shape and structure to perform specific functions
- 8 found only in plant cells, this organelle contains the green chlorophyll needed for photosynthesis
- 9 organism made of more than one cell
- 10 a group of cells working together to perform a specific function
- 11 the basic unit of structure for living things
- 13 contain the genetic material that codes for all of an organism's traits

Cell	Genetic Material	Unicellular	Cell Wall	Osmosis	Fertilization
Tissue	Organ	Nucleus	Organelle	Diffusion	Acquired Traits
Asexual	Sexual	Differentiation	Cell Membrane		Cell Growth
Cell Division	Specialized Cells		Organ Systems		Inherited Traits
Chromosomes	Chloroplast		Active Transport		Multicellular Organism