Name



Emerging

3 Accomplished



"I get some of it."

"I can teach a friend."

The Lego® of Life

All living things are made up of one or more cells.

"I'm just getting started."

"I get it."

Owning my learning: The learning intentions or goals for the unit are listed below. Completing this table can help you determine what you know and the level to which you know it. Place a check mark in the box that best describes your learning level at the beginning of the learning and after we have learned together. The columns are numbered 1 to 4 to indicate the following levels of proficiency:

Be honest with yourself as you complete the checklist to filter what you know from what you don't know and

Developing

Extending

remember to stud	y effici	ently	and (effectiv	rely, study what you don't know.
l Can Use:					
	1 O	2 ○	3 •	4 O	diagrams of plant and animal cells to identify 13 cell structures (cel membrane, cell wall, chromosomes, endoplasmic reticulum, centrioles, chloroplasts, nucleus, vacuole, ribosomes, golgi body, lysosomes, cytoplasm, mitochondria)
	0	0	0	0	the microscope to view cells at low, medium and high power
	0	0	0	0	an egg to demonstrate osmosis
I Can Describe:					
	1 0 0 0 0 0 0 0 0 0	2 0 0 0 0 0 0 0 0	3 0 0 0 0 0 0 0 0	4 0 0 0 0 0 0 0	the five characteristics of living things the appearance and function of the 13 cell structures photosynthesis cellular respiration the process of diffusion the process of osmosis a selectively permeable membrane three methods in which materials can enter the cell against the concentration gradient (active transport, phagocytosis, pinocytosis some harmful and beneficial uses of bacteria
I Can Explain:					
	1 0 0 0 0 0 0 0	2 0 0 0 0 0 0	3 0 0 0 0 0 0 0	40000000	why the cell is considered to be the basic unit of life the difference between multicellular and unicellular organisms the difference between prokaryotes and eukaryotes why most cells are not gigantic the difference between diffusion and osmosis the difference between plant and animal cells the difference between bacteria and viruses

I Can Recognize:					
	1	2	3	4	
					unicellular and multicellular life in pond water
	0	0	0	0	a sketch of a plant cell
	0	0	0	0	a sketch of an animal cell
	0	0	0	0	a sketch of a prokaryotic cell
	0	0	0	0	a sketch of an eukaryotic cell
	0	0	0	0	a sketch of a cell in a hypertonic solution
	0	0	0	0	a sketch of a cell in an isotonic solution
	0	0	0	0	a sketch of a cell in a hypotonic solution
I Can Prepare:					
•	1	2	3	4	
	0	0	0	0	a wet mount slide of pond water
I Can Predict:					
	1	2	3	4	
	Ō	Ō	0	0	if more water will enter or exit cells when they are in a hypertonic
					isotonic or hypotonic solution



Science 8 – Mrs. Greig