BIOLOGY Unit Checklist

Name: _	
	loreescience

Go to loreescience.ca to see required activities for each topic & sample answers.

Topic	Objective(s)	Approx. # Classes	Mastery Checks Min 80%			
1	Characteristics of Life & Cell Theory: Understand the requirements for life and the basis of life	1				
2	Cell Structures & Types: Examine structures of plant & animal cells; Understand the structural and functional roles of organelles; Explain the difference between prokaryotic and eukaryotic cells and the relevance of each	3	Structures Got It! Diagrams Got It!			
3	Cell Specialization & Stem Cells: Explain the importance of cell specialization in generating new tissues and organs; Analyze ethical issues related to technological developments	3	☐ Got It!			
4	Diffusion & Osmosis: Examine the movement of particles required to sustain life; Examine the importance of cell size in relation to survival	1	☐ Got It!			
5	Cell Cycle & Mitosis: Describe the cell cycle and explain the importance of division; Explain the importance of mitosis for cell growth & repair; Examine cells using a microscope & identify stages of mitosis and create biological diagrams	4 Lab	☐ Got It!			
6	Cancer: Investigate the rate of cell division in cancerous and non-cancerous cells and predict the impact it has; Describe public health strategies related to cancer detection	2	☐ Got It!			
7	Tissues: Investigate specialized cells (tissues) using a microscope and make biological drawings to show structural differences; Use appropriate terminology to describe structural differences	2	☐ Got It!			
8	Organ Systems & Interactions: Explain the primary functions of a variety of systems; Explain the interactions of different systems and why they are necessary for survival; Investigate through dissection the interrelationships between organ systems Analyze the ethical issues related to organ transplants	4 Lab	☐ Got It!			
9	Plant Tissues & Organ Systems: Investigate through dissection the interrelationships between organ systems	3 Lab				

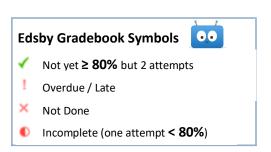
≥ 80% or a minimum of TWO attempts on ALL mastery checks required BEFORE a unit test

Mastery Checks:

 Mastery Checks may be attempted more than once and are not considered complete until ≥ 80% is achieved.

Extra practice must be completed & shown to get another code.

- Must be written during class or after school during supervised extra help times.
- Keep track of the number of attempts on the unit checklist
- Must be attempted as you progress through the topics –**DO NOT** let them accumulate until the end of the unit. You may run out of time!



November 2023

December 2023

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