**Science 8 review: unit 1/chapter 1**

* Know organelles, their names, and functions (their jobs)
* Be able to label a cell, Know the definition of a cell
* Know the differences between a plant and animal cell
* Know the characteristics that all living things have in common: WERRG
* Know the 3 main points to the cell theory
* What is a prokaryotic cell? What is a eukaryotic cell? What is inside a prokaryotic cell?
* Know the difference between a prokaryotic cell and eukaryotic cell
* How are they similar and how are they different
* What are bacteria? Are bacteria good or bad or both?
* What is a virus, know the definition of a virus
* How do organisms get their food and energy?
* Know the formula/equation- for photosynthesis be able to draw a picture to represent this equation as well as be able to write a word equation
* Know what photosynthesis is, Know where photosynthesis takes place
* Know what DNA is and stands for
* Know about diffusion and osmosis
* Know about hypertonic, hypotonic, isotonic solutions
* Be able to predict what will happen to cells if they are put into a hypertonic, hypotonic and isotonic solution
* Know what a stimulus is
* Know the definitions for unicellular and multicellular

**To study:** make up memory tricks, make acronyms, re-write your notes, make charts, draw pictures with colour, draw things out and label them, make up practice quizzes, look it up on youtube for extra help or just to hear about it again (sometimes when you look things up on the internet it helps you remember the information)

* repetition is key to remembering things-for example write out your notes a bunch of times or draw a cell and label it over and over again or you could make up charts on organelles and functions and then do that again and again- repeat these things to make sure you remember these things

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| **organelle** | **fucntion** | **In plant or animal** |
| mitochondria | Mighty powerhouse: makes energy | In both |
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* If you need extra help or a place to study, come in and see me. You are welcome to study in the classroom before and after school. You can email me if you have questions.

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Check Miss C's website for details on the things we've covered.