

Life Science Assignment Sheet: Chapters 1 & 2

“Flip the Classroom”

I. Return signed “Classroom Expectations”

Due Wed 8/30

II. Reading Assignment #1* Chapter 1 Cell Structure and Function

Due Wed 8/30

- Read Section 1: pages 6-12
- Read Section 2: pages 13-21

* remember: don't read like a novel.... Browse, look at pictures, charts diagrams, read the captions and bold highlighted words

III. Vocabulary – These will be most of the terms we will be using for this unit – see the Quizlet sets! **Review**

- | | | | |
|------------------------|------------------|-----------------|---------------|
| c. cell | h. organelle | o. mitochondria | v. vacuole |
| d. microscope | i. Cell wall | p. smooth ER | w. lysosome |
| e. compound microscope | j. cell membrane | q. rough ER | x. centriole |
| f. cell theory | k. nucleus | r. ribosome | y. resolution |
| g. magnification | l. nucleolus | s. Golgi body | z. cytoplasm |
| h. convex lens | m. chromatin | t. chloroplast | i. grana |

IV. Reading Assignment #2*

Due Wed 8/30

- Read Section 3: pages 23-27
- Read Section 4: pages 30-34

* remember: don't read like a novel.... Browse, look at pictures, charts diagrams, read the captions and bold highlighted words

V. Vocabulary – These will be most of the terms we will be using for this unit – see the Quizlet sets! **Due Wed 8/30**

- | | | | |
|-----------------------|-----------------|----------------------|---------------------|
| c. Element | g. carbohydrate | m. DNA | s. active transport |
| d. Atom | h. protein | n. RNA | |
| e. Compound | i. Amino acid | o. semi permeable | |
| f. Molecule | j. enzyme | p. diffusion | |
| g. organic compound | k. lipid | q. osmosis | |
| h. inorganic compound | l. nucleic acid | r. passive transport | |

VI. Worksheets

Due Thur 8/31

- | | | | |
|----------------------|------|----------------------|-------|
| a. Lab Equipment | pg 3 | Measuring Liquid | pg 6 |
| b. Using the Balance | pg 4 | Reading Thermometers | pg 7 |
| c. Measuring Length | pg 5 | Density | pg 13 |

VII. Screencast Chapter 1 Part 1 – (23 minutes)

Due Friday 9/1

VIII. Worksheets:

Due Friday 9/1

- The Compound Microscope pg 6
- Microscope Crossword pg 7

IX. CHI Quiz: Definitions, Non sibi, Finis origine pendet, first 5 Bible verses!

Friday 9/1

X. Screencast Chapter 1 Part 2 – (18 minutes)

Due Tues 9/5

XI. Worksheets

Due Wed 9/6

- | | | | | |
|----------------|-------|-------------------------------|-------|---------------------------|
| a. Animal Cell | pg 25 | c. Function of the Organelles | pg 27 | e. Typical Animal & Plant |
| b. Plant Cell | pg 26 | d. Parts of the Cell | pg 28 | |
| c. | | | | |

XIV. Summaries of SED's 1, 2 & 3

Due Fri 9/8

XIII. Exam: Life Chapter 1 and CHI Definitions, 2 Latin Phrases, Bible Verses thru James 1:22

Tuesday 9/12

XV. Reading Assignment #3: Chapter 2: Cell Processes & Energy

Due Wed 9/13

- i. Read Section 1: pages 40-44
- j. Read Section 2: pages 45-49
- k. Read Section 3: pages 51-58

remember: don't read like a novel.... Browse, look at pictures, charts diagrams, read the captions and bold highlighted words.

XVI. Screencast Chapter 2 Part 1: (17 minutes)

Due Wed 9/13

XVII. Screencast Chapter 2 Part 2: (16 minutes)

Due Fri 9/15

XVIII. Worksheets

Due Fri 9/15

- a. Chemical vs. Physical Change pg 9
- b. Elements, Compounds and Mixtures pg 10
- d. Diffusions and Osmosis pg 21

XIX. Worksheets:

Due Tues 9/19

- | | | | |
|---------------------|-------|----------------------|-------|
| Element Symbols | pg 11 | Stages of Mitosis | pg 29 |
| Auto vs Heterotroph | pg 24 | Cellular Respiration | pg 33 |
| Life Activities | pg 23 | DNA Molecule | pg 56 |

XX. Exam: Chapter 2 & G&L 1-25, NTK Classification 6 Kingdoms, Phyla Schizophyta & Cyanophyta

Thursday 9/21

XXI. Forest Home Retreat

Wed 9/27 to Fri 9/29

XXII. Insect Collection – the first 5 of your 20 bugs are due (pinned & labeled)

Due Fri 10/6