Chapter 1 Overview

The overarching theme of biology is:

Subthemes:

1.

2.

3.

4.

5.

6.

Levels of Biological Organization

1. 6.

2. 7.

3. 8.

4. 9.

5. 10.

came up with the theory of natural selection.

This later established a Tree of Life.

We group species. However before we do this, one must decide which domain an organism belongs to.

1.

2.

3.

To study natural phenomenon, two types of study methods can be used:

1. Discovery Science
2. Hypothesis-Based Science

Hypothesis-based science=scientific method

(Don’t hate me, but we are going to list the steps)

1.

2.

3.

4.

5.

6.

Chapter 2:

1. Name the difference between atomic number and atomic mass. (Use Oxygen as an example)

2. Show two different isotopes of carbon.

3. An element of Uranium is hit with a particle that makes it miraculously lose 2 protons and 4 neutrons. What is the new element with mass number and new atomic number listed.

4. Draw an example of an ionic bond, a covalent bond and a hydrogen bond.

5. Describe emergent properties, give an example of what they do.