

- b. Review the Safety Guidelines in science from your safety contract.
- c. Characteristics of Life- List and explain the six characteristics of life. Be sure to review the vocabulary in your reading notes.

1. All living things have one or more cells
2. All living things sense and responds to change (or stimulus)
3. All living things have DNA
4. All living things use energy
5. All living things reproduce
6. All living things grow and develop.

D. Understand the difference between sexual and asexual reproduction. Be sure to know how many parents are involved, and what the DNA is like compared to the parents. Be able to give examples of each form of reproduction.

a. Sexual Involves 2 parents (egg and sperm) DNA is different than parents.

b. Asexual Involves 1 parent DNA is identical to parent.

c. Be able to explain what homeostasis is and why it is important. Be able to give examples of an organism responding to a stimulus.

Homeostasis is maintaining a stable, internal environment

Examples:

Stimulus: Go outside in cold weather without coat Response: Shiver to warm body

Stimulus: Running in hot weather Response: Sweat to cool body

Stimulus: Turn on light Response: Pupils dilate

Stimulus: You lose too much water from sweating Response: Get thirsty and drink water