

1. **Characteristics of Living Things:**

- grow and develop (cells)
- get food (animals) and make food (plants)
- use food for energy and produce wastes
- reproduce to make more of its own kind
- sense and react to its environment.

2. Be able to **classify** things as **living** or **nonliving**

3. **Adaptations** - any structure or behaviour (skill or ability) that makes an organism well suited to get what it needs to survive in its environment.

4. **Organism** – any living thing

5. **Species** - a group of organisms that can produce more of its own kind (reproduce).

6. Be able to **identify adaptations** that make a specific organism able to thrive in its environment.

7. Be able to explain what “**an organism surviving/thriving in its environment**” means.

8. **Natural Selection** - a natural process in which the individual members of a species that are best adapted for an environment will be the members that are most likely to survive and reproduce.

9. Be able to explain “**What happened to the peppered moth?**”

10. **Classification:** sorting, grouping, arranging and categorizing into smaller groups based on similarities.

11. The modern Biological Classification Scheme was first developed by scientist **Carolus Linneus**

12. **Biological Classification Scheme:**

Kingdom
Phylum
Class
Order
Family
Genus
Species



13. **Scientific Names:** 1st part is the genus (capitalized) and 2nd part is the species (lower case). Ex. Humans: *Homo sapiens*
14. Be able to **identify the scientific name** when given the biological classification of a particular organism.
15. **Five Kingdoms of Life:** Animals, Plants, Fungi, Protista (micro-organisms) and Monera (bacteria)
16. Be able to identify the **main characteristic(s)** of organisms in **each kingdom** and give an example of an organism in each kingdom.