

Characteristics of Living Things & The Cell Theory



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1. Summarize the important differences between living and nonliving things?

2. Name the characteristic(s) shown by each of the following examples:

Example	Characteristic(s)
A plant that bends towards the light.	
A tadpole develops into a frog.	
Human lungs eliminate carbon dioxide.	
A blue jay feeds on sunflower seeds.	
A cat gives birth to a kitten.	
Human blood contains red and white blood cells.	

3. Are tornadoes alive? Why or why not? Justify your answer with three good reasons.

4. Why are viruses considered non-living?

5. Name a non-living thing that uses energy.

6. Name a non-living thing that grows.

7. Pick a living thing and provide an example of how it meets the needs of all 7 characteristics of life.

8. According to the modern cell theory all cells are basically the same. If this is true, how is it that cells can be so vastly different? What is it about the cells that is the same?