

Unit 1 Levels of Organization	Chapter 1.4	Characteristics of Life	<u> </u> /37 pts
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SECTION OBJECTIVES

- List and describe the major characteristics of life

Lecture Notes (11)

Common traits shared among humans and other living organisms.

1. _____: change in position, may be external or internal
2. _____: sense changes and react, may be internal or external
3. _____: increase in body size
4. _____: new cells and to produce offspring
5. _____: use of oxygen & release of carbon dioxide (Cellular respiration-use of oxygen to release ENERGY from foods)
6. _____: breaking food into useable forms for absorption
7. _____: taking in nutrients
8. _____: movement of body fluids
9. _____: ability to change substances to what is needed.
10. _____: removal of wastes.

_____ : Physical and chemical changes that occur in the body.

Section Homework (26)

Describe **AND** give an example of the characteristics of life. (2 points each)

1. Movement – _____
2. Responsiveness – _____
3. Growth – _____
4. Reproduction – _____
5. Respiration – _____
6. Digestion – _____
7. Absorption – _____
8. Circulation – _____
9. Assimilation – _____
10. Excretion – _____
11. What is metabolism? (2 points) _____

12. Describe how the term **metabolism** can be interchangeable with the term **cellular respiration**. (2 points) _____

13. How are the characteristics of life dependent on metabolism? (2points) _____

