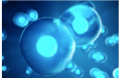









CONCEPT: CHARACTERISTICS OF LIFE

● All living organisms share _____ characteristics that distinguish them from nonliving things:

1 Composed of _____: smallest unit of life.		5 _____: capacity to produce life either <i>sexually</i> or _____.	
2 _____: use smaller structures to build larger ones.		6 Acquires & utilizes _____ from surroundings.	
3 Respond to environmental _____.		7 _____ information: DNA functions as the genetic material of life.	
4 Maintain _____: stabilize suitable living conditions.		8 _____: changes in _____ over time for adaptation & improved survival.	

□ NOTE: _____ are NOT considered alive.

EXAMPLE: Which of the following is NOT a characteristic of life?

- a) Structure of an organism based on a hierarchy of organization.
- b) The ability to establish a constant internal temperature.
- c) The ability to convert sunlight energy into chemical energy.
- d) DNA molecule that stores genetic and hereditary information.

PRACTICE: All of the following are characteristics of life EXCEPT:

- a) Evolution.
- b) Multicellularity.
- c) Homeostasis.
- d) Reproduction.

PRACTICE: Salt concentration in blood remains relatively steady, regardless of a person's diet. This best illustrates:

- a) Homeostasis.
- b) Life's organizational hierarchy.
- c) Autotrophy.
- d) Evolution.