I-ACT A&P PreTest Name _____ Date_____

Multiple Choice - To be used after June 23, 2008

Identify the letter of the choice that best completes the statement or answers the question.

____ 1. The basic unit of biological organization is the ____.
a. protoplasm
b. cell
c. connective tissue
d. colloid

____ 2. The body system responsible for maintaining sexual characteristics and the perpetuation of our species is the ____.
a. endocrine system
b. reproductive system
c. urinary system
d. lymphatic system

____ 3. The study of the diseases of the body is known as ____.
a. anatomy
b. physiology
c. microbiology
d. pathology

____ 4. A chemical fuel that allows the body cells to do work and to function is known as ____.
a. ATP
b. DNA
c. H_20
d. RNA

____ 5. Atoms are electrically ____.
a. neutral
b. negative
c. buffered
d. positive

____ 6. The site of protein synthesis is in the ____.
a. ribosomes
b. lysosomes
c. endoplasmic reticulum
d. cilia

____ 7. Cellular organelles composed of fibrils and located on the cell surface that protrude from the cell and beat or vibrate are called ____.
a. cristae
b. leucoplasts
c. cilia and flagella
d. ribosomes

____ 8. The process of cellular reproduction that occurs in the nucleus, forming two identical nuclei, is known as ____.
a. meiosis
b. anabolism
c. mitosis
d. catabolism

____ 9. The epithelial cells that are flat and slightly irregular in shape, serving as a protective layer, are called ____.
a. cuboidal cells
b. columnar cells
c. squamous cells
d. transitional cells

____ 10. The special name given to the epithelium that lines the circulatory system is ____.
a. endothelium
b. glandular epithelium
c. mucous membrane
d. pseudostratified membrane

____ 11. A burn that involves only the epidermis, has symptoms of redness, pain, and slight swelling, and can heal in about seven days without scarring is known as a ____.
a. first-degree burn
b. second-degree burn
c. third-degree burn
d. fourth-degree burn

____ 12. A disorder of the skeletal system characterized by a decrease in bone mass with accompanying increased susceptibility to bone fractures is called ____.
a. osteoporosis
b. osteoarthritis
c. Paget's disease
d. gigantism

____ 13. The formation of platelets and red and white blood cells within the red bone marrow is known as ____.
a. hematopoiesis
b. osteoprogenitor
c. intramembranous ossification
d. erythroleukocytosis