

Student name: \_\_\_\_\_

**TRUE/FALSE - Write 'T' if the statement is true and 'F' if the statement is false.**

1) A bone contains nervous, connective, and epithelial tissue. Therefore, it is classified as an organ.

true                       false

2) Surgical anatomy refers to the study of anatomic landmarks used before and after surgery.

true                       false

3) The fact that the structures of cells vary widely reflects the specializations needed for their different functions.

true                       false

4) Organs contain two or more tissues that work together to perform specific, complex functions.

true                       false

5) The cell is the smallest living portion of the human body.

true                       false

6) Fortunately for science, there is but one single property that defines life.

true                       false

7) The life characteristic of reproduction may be interpreted at both the cellular and organismal levels.

true       false

**8)** The urinary system filters the blood, concentrates waste products, and removes waste products from the body.

true       false

**9)** The anatomic position allows all observers to have a common point of reference.

true       false

**10)** A coronal plane is a vertical plane that divides the body into anterior and posterior parts.

true       false

**11)** A sagittal plane is a vertical line that divides the body into right and left parts.

true       false

**12)** The chest is superior to the head.

true       false

**13)** The antecubital region is proximal to the carpal region.

true       false

**14)** The mediastinum is a serous cavity.

true       false

15) There is a physical barrier that separates the abdominal cavity from the pelvic cavity.

- true             false

16) The sigmoid colon of the large intestine is contained within the hypogastric region.

- true             false

17) The right and left iliac regions are found lateral to the hypogastric region.

- true             false

18) The lumbar regions are located lateral to the umbilical region.

- true             false

**MULTIPLE CHOICE - Choose the one alternative that best completes the statement or answers the question.**

19) The early anatomist who stressed the importance of experimentation in medicine and became known as the "Prince of Physicians" was

- A) Galen.
- B) Vesalius.
- C) Pelops.
- D) Leonardo da Vinci.
- E) Herophilus.

20) The artist who used dissections to improve his drawings and paintings was

- A) Vesalius.
- B) Galen.
- C) Da Vinci.
- D) Hippocrates.

**21)** Anatomy is the study of

- A) function.
- B) structure.

**22)** The scientific discipline that studies the function of body structures is

- A) anatomy.
- B) physiology.

**23)** Gross anatomy refers to the study of

- A) cells.
- B) structures formed by cells.
- C) structures not visible to the unaided eye.
- D) structures visible to the unaided eye.

**24)** The anatomic changes that result from disease are studied under

- A) pathologic anatomy.
- B) systemic anatomy.
- C) histology.
- D) surgical anatomy.
- E) developmental anatomy.

**25)** Molecules are formed from two or more

- A) electrons.
- B) organs.
- C) atoms.
- D) tissues.
- E) systems.

**26)** Which organizational level consists of related organs that work to achieve a common function?

- A) Organ system level
- B) Cellular level
- C) Tissue level
- D) Chemical level
- E) Organ level

**27)** At what level of organization is a tooth?

- A) Tissue level
- B) Cell level
- C) Organ level
- D) System level
- E) Atomic level

**28)** The term that refers to the ability of organisms to respond to a stimulus is

- A) responsiveness.
- B) reproduction.
- C) metabolism.
- D) development.
- E) organization.

**29)** The smallest structural unit that exhibits the characteristics of living things is

- A) an organ.
- B) an individual.
- C) tissue.
- D) a cell.
- E) a system.

**30)** One of the characteristics of living things is \_\_\_\_\_, which causes changes in structures, processes, or traits that increase expected long-term reproductive success.

- A) adaptation
- B) homeostasis
- C) regulation
- D) responsiveness
- E) development

**31)** The various chemical reactions that organisms carry out are collectively called

- A) metabolism.
- B) homeostasis.
- C) reproduction.
- D) responsiveness.
- E) development.

**32)** The system responsible for providing protection, regulating body temperature, and being the site of cutaneous receptors is the \_\_\_\_\_ system.

- A) respiratory
- B) muscular
- C) integumentary
- D) urinary
- E) nervous

**33)** The body system that provides support and protection as well as being a site of blood cell production (hemopoiesis) is the \_\_\_\_\_ system.

- A) skeletal
- B) muscular
- C) cardiovascular
- D) respiratory
- E) lymphatic

**34)** The system responsible for the exchange of gases between the blood and atmospheric air is the \_\_\_\_\_ system.

- A) urinary
- B) respiratory
- C) cardiovascular
- D) endocrine
- E) nervous

**35)** Which describes the anatomic position?