

Anatomy and Physiology

Name: _____

Date: _____

Answer the questions below by choosing the correct option!

1. Which type of joint is found in the shoulder and hip, allowing a wide range of movement?
A) Hinge joint
B) Ball-and-socket joint
C) Pivot joint
D) Saddle joint
2. What is the primary function of red blood cells?
A) Fight infections
B) Carry oxygen
C) Produce hormones
D) Regulate body temperature
3. Where is the femur located?
A) Arm
B) Skull
C) Leg
D) Chest
4. Which organ is responsible for filtering blood and removing waste products?
A) Liver
B) Lungs
C) Kidneys
D) Stomach
5. The small, finger-like projections in the intestines that absorb nutrients are called:
A) Alveoli
B) Villi
C) Nephrons
D) Papillae
6. Which layer of skin contains melanocytes, the cells that produce melanin?
A) Dermis
B) Epidermis
C) Hypodermis
D) Subcutaneous layer
7. The main function of the respiratory system is to:
A) Remove waste from blood
B) Transport oxygen
C) Exchange oxygen and carbon dioxide
D) Produce red blood cells
8. Which type of muscle is found in the walls of the heart?
A) Smooth muscle
B) Skeletal muscle
C) Cardiac muscle
D) Voluntary muscle
9. What is the largest part of the human brain responsible for thinking and voluntary actions?
A) Brainstem
B) Cerebellum
C) Cerebrum
D) Medulla
10. Which system of the body is responsible for producing hormones?
A) Nervous system
B) Immune system
C) Endocrine system
D) Circulatory system
11. What part of the cell contains genetic material and controls cellular activity?
A) Mitochondria
B) Ribosome
C) Nucleus
D) Cytoplasm
12. Which hormone regulates blood sugar levels by facilitating the uptake of glucose into cells?
A) Insulin
B) Glucagon
C) Adrenaline
D) Cortisol