

Geometry in the Human Body: Health & Anatomy Facts

Geometry · Answer Key · 6 Questions

1. What type of symmetry does the human body primarily exhibit externally, dividing it into two mirrored halves?

- A) Radial symmetry
- B) Bilateral symmetry**
- C) Asymmetry
- D) Spherical symmetry

2. When a physical therapist measures the range of motion of a patient's joint, they are essentially measuring what geometric concept?

- A) Length
- B) Area
- C) Angle**
- D) Volume

3. What is the approximate geometric shape of a healthy human red blood cell, allowing for efficient oxygen transport and movement through capillaries?

- A) Cube
- B) Sphere
- C) Biconcave disc**
- D) Pyramid

4. Which anatomical plane divides the body into anterior (front) and posterior (back) sections?

- A) Sagittal plane
- B) Transverse plane
- C) Coronal (Frontal) plane**
- D) Oblique plane

5. What geometric shape best describes the main shaft (diaphysis) of long bones, such as the femur or tibia, providing strength and support?

- A) Cone
- B) Cylinder**
- C) Cube
- D) Pyramid

6. The human eye, in its general form, closely resembles which geometric shape?

A) Cube

B) Cone

C) Sphere

D) Cylinder