

B.Sc., PHYSICIAN ASSISTANT

ANATOMY PUZZLE

UNIT - 1

TOPIC - BODY PLANES & DIRECTIONAL TERMS

TOTAL MARKS - 10 MARKS

Puzzle: Anatomical Alignment Challenge (Case-Based Scenario)

You are a first-year anatomy resident examining a patient with a suspected abdominal injury from a car accident. The patient complains of pain in the lower right quadrant. Using imaging (CT scan) and physical exam clues, determine the precise location and orientation of the injury relative to anatomical landmarks.

- **Clue 1:** The pain is felt closer to the feet than the waist
- **Clue 2:** The injury site is to the side of the body's central axis, not midline
- **Clue 3:** A horizontal slice through the waist divides the body into upper and lower parts
- **Clue 4:** The affected area is anterior to the spine but posterior to the skin surface

Task:

- Describe the injury's position using 3 directional terms and 2 planes
- Propose a diagnostic view and explain why it aids visualization
- Sequence steps for a safe exam

B.Sc., PHYSICIAN ASSISTANT

ANATOMY PUZZLE

RUBRICS:

Criterion	Marks (out of 10)
Accuracy of Terms/Planes	4
Clinical Integration	3
Sequencing & Explanation	2
Clarity & Completeness	1
Total Marks	10 marks