

9. Name the abdominopelvic region where each of the listed organs is located.

1. spleen left hypochondric region
2. urinary bladder hypogastric region
3. stomach (largest portion) epigastric region
4. cecum right iliac region

10. Explain how serous membranes protect organs from infection. Serous membranes protect the organs by producing a thin lubricating fluid that prevents friction and infection from spreading organ to organ.

11. Which serous membrane(s) is/are found in the thoracic cavity?  
pleura
12. Which serous membrane(s) is/are found in the abdominopelvic cavity?  
peritoneum
13. Using the key choices, identify the small body cavities described below.  
Key:

- a. middle ear cavity
- b. nasal cavity
- e. oral cavity
- d. orbital cavity
- e. synovial cavity

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|--------------------------|--|
| <u>Orbital cavity</u>    | 1. holds the eyes in an anterior-facing position |
| <u>Middle ear cavity</u> | 2. houses three tiny bones involved in hearing   |
| <u>Nasal cavity</u>      | 3. contained within the nose                     |
| <u>Oral cavity</u>       | 4. contains the tongue                           |
| <u>Synovial cavity</u>   | 5. surrounds a joint                             |

14. **Clinical/Critical Thinking** Name the body region that blood is usually drawn from. The body region that blood is usually drawn is the antecubital region. The antecubital region is the inside elbow area of the arm.

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15. **Clinical/Critical Thinking** A patient has been diagnosed with appendicitis. Use anatomical terminology to describe the location of the person's pain. Assume that the pain is referred to the surface of the body above the organ

The patient is feeling pain in the right inguinal region

16. **Clinical/Critical Thinking** Which body cavity would be opened to perform a hysterectomy? The body cavity that would be opened to perform a hysterectomy is the abdominopelvic cavity.

17. **Clinical/Critical Thinking** Which smaller body cavity would be opened to perform a total knee joint replacement?

The smaller body cavity that would be opened to perform a total knee joint replacement is the synovial joint cavity.

18. **Clinical/Critical Thinking** An abdominal hernia results when weakened muscles allow the protrusion of abdominal structures. In the case of an umbilical hernia, parts of a serous membrane and the small intestine form the bulge. Which serous membrane is involved? In this case the serous membrane that is involved is the peritoneum.