

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

### Student Assignment

Complete the following objectives:

1. List and discuss in order of increasing complexity the levels of organization of the body.
2. Discuss and contrast the axial and the appendicular subdivisions of the body.
3. List <sup>IN PAIRS,</sup> the principal directional terms and body sections (planes) used in describing the body and the relationship of body parts to one another.
4. List the major cavities of the body and the subdivisions found in each.
5. Explain the meaning of the term *homeostasis* and give an example of a typical homeostatic mechanism.

#### Directional Terms

Provide the term that correctly completes each statement.

- |   |          |
|---|----------|
| 1. The head is _____ to the neck.                     | 1. _____ |
| 2. The hand is _____ to the wrist.                    | 2. _____ |
| 3. The skin is _____ to the muscles.                  | 3. _____ |
| 4. The mouth is _____ to the nose.                    | 4. _____ |
| 5. The elbow is _____ to the wrist.                   | 5. _____ |
| 6. The lungs lie _____ to the heart.                  | 6. _____ |
| 7. The buttocks are on the _____ surface of the body. | 7. _____ |

#### Matching

Select the most appropriate answer in column B for each item in column A (Only one answer is correct).

- |     | <u>Column A</u>    | <u>Column B</u>            |
|-----|--------------------|----------------------------|
| 8.  | _____ ventral      | A. equal                   |
| 9.  | _____ skin         | B. cutaneous (OF THE SKIN) |
| 10. | _____ transverse   | C. lung                    |
| 11. | _____ anatomy      | D. extremities             |
| 12. | _____ superficial  | E. respiratory             |
| 13. | _____ pleural      | F. front                   |
| 14. | _____ appendicular | G. structure               |
| 15. | _____ posterior    | H. surface                 |
| 16. | _____ midsagittal  | I. back                    |
| 17. | _____ system       | J. horizontal              |

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