SCIENCE SCENARIO

Directions: Use the information presented on pages 25 and 26 to answer questions 13 through 16.

A.2.1.3

- **16.** The power switch is on. Which procedure will **best** determine the type of circuit that makes an electromagnet?
 - A Set switch 1 to S.
 Change switches 2 and 3 to every combination.
 Observe the motion of the metal weights.
 - B Set switch 1 to P. Change switches 2 and 3 to every combination. Observe the motion of the metal weights.
 - C Set switch 2 to a constant setting. Change switches 1 and 3 to every combination. Observe the motion of the metal weights.
 - D Set switches 2 and 3 to constant settings. Change switch 1 from P to S. Observe the motion of the metal weights. *
 - A This procedure would not test both types of circuits.
 - B This procedure would not test both types of circuits.
 - C This procedure tests too many variables.
 - D Key: This procedure tests the type of circuits while holding other variables constant.