NAME _____ DATE _____ CLASS _____

Section 21-2

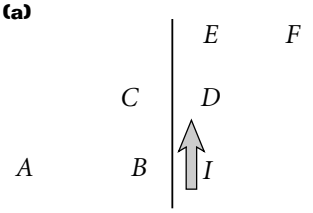
HOLT PHYSICS

Diagram Skills

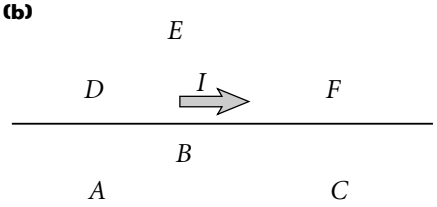
Electromagnetism and Magnetic Domains

1. Use the convention symbols (×, •, and →) to indicate the direction of the magnetic field created by electric currents shown in the following diagrams at points *A*, *B*, *C*, *D*, *E*, and *F*.

(a)



(b)



2. How does the strength of the magnetic field at *A* compare with that at *B*, *C*, *D*, *E*, and *F* in the two situations presented in item 1?

_____

_____

_____

3. The direction of the current is reversed. Sketch the corresponding diagrams, and answer items 1 and 2 again.

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