Let $S = \{a, b, c, d, e, f\}$ be a sample space for an experiment. Let $E = \{a, b, c, d\}$, $F = \{c, d, e\}$, and $G = \{a, c, f\}$. If the events E and G occur, but F does not occur, then which of the following events also occurs?

(a) $\{a, c, f\}$

(b) $\{c, d, f\}$

(c) $\{b, c, d, f\}$

(d) $\{c, d, e, f\}$

(e) $\{c\}$

(f) $\{f\}$

(g) $\{d\}$

(h) $\{c, d\}$

(i) $\{c, e, f\}$

(j) None of these