

- 17** If a transparent glass block is placed in front of one of the slits of a Young's double slit experiment, which of the following observations of the fringe pattern will most likely occur?
- A** No fringe pattern will be observed on the screen.
 - B** The fringe separation will become larger.
 - C** The central maximum will be shifted from its original position.
 - D** The bright fringe will become brighter.