

10 A rock in deep space is travelling towards a distant star and collides with a stationary spacecraft.

What is **not** a possible outcome of the collision?

- A** The rock becomes stationary and the spacecraft moves towards the star.
- B** The rock moves away from the star and so does the spacecraft.
- C** The rock moves away from the star and the spacecraft moves towards the star.
- D** The rock moves towards the star and so does the spacecraft.