

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.