

2 Two stones, X and Y, of different masses are dropped from the top of a cliff. Stone Y is dropped a short time after stone X. Air resistance is negligible. Whilst the stones are falling, the distance between them will

- A** decrease if the mass of Y is more than the mass of X.
- B** increase if the mass of X is more than the mass of Y.
- C** decrease regardless if the mass of X is more than or less than the mass of Y.
- D** increase regardless if the mass of X is more than or less than the mass of Y.