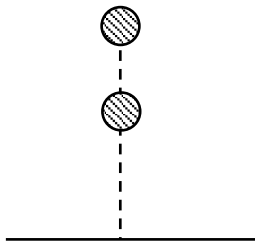


- 4** Two identical ball bearings are dropped simultaneously from rest from different heights as shown below. Air resistance is negligible.



As the stones fall, which of the following is true about the distance between them?

- A** The distance will remain the same.
- B** The distance will decrease until they come in contact.
- C** The distance will increase continuously.
- D** The distance will increase initially then remain the same.

- 5** A device for spraying paint consists of a box with its axes horizontal and vertical. One of its vertical