

**3** Ball **A** was dropped from the top of a tall building. At the same instant, an identical ball **B** was thrown downward from the same point. Neglecting the effects of air friction, what can be said of their accelerations while they were falling?

- A** Their accelerations are equal.
- B** Ball **A** has the greater acceleration.
- C** Ball **B** has the greater acceleration.
- D** It is impossible to tell since their accelerations vary greatly.