

- 9** A snowflake and a raindrop are in still air. They both fall from rest at the same time and from the same height, far above the ground.

The snowflake and raindrop contain the same mass of water. Assume that there is no evaporation or melting. Also assume that, for a given speed, the drag force acting on the snowflake is greater than the drag force acting on the raindrop.

Which statement about the snowflake and raindrop is correct?

- A** The raindrop takes more time than the snowflake to reach terminal velocity.
- B** The raindrop takes more time than the snowflake to reach the ground.
- C** They reach the same terminal velocity.
- D** They take the same amount of time to reach the ground.