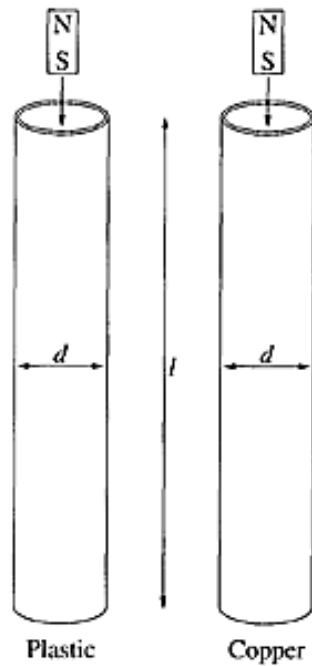


- 9 In a student experiment, a bar magnet is dropped through a long plastic tube of length l and diameter d . The time taken for it to hit the floor is recorded.



The experiment is repeated using a copper tube of the same length and diameter.

Which of the following statements is correct?

- (A) The magnet will take the same time to hit the floor in both cases.
- (B) The magnet will come to rest in the middle of the copper tube.
- ✓ (C) The magnet will take longer to fall through the copper tube.
- (D) The magnet will take longer to fall through the plastic tube.

Question 9 : % answers correct by band range

