Dropping Balls

Reggie has three different types of balls. Each ball is about the same size.

Ball 1 is a wooden ball. Its mass is 28 g.

Ball 2 is a golf ball. Its mass is 46 g.

Ball 3 is a metal ball. Its mass is 110 g.

Reggie held his arm out and dropped the three balls at the same time from the same height. In what order will the balls hit the floor? Check off your prediction:

Prediction A: Ball 1, then ball 2, then ball 3.

Prediction B: Ball 3, then ball 2, then ball 1.

Prediction C: Ball 2, then ball 3, then ball 1.

Prediction D: All three balls will hit the floor at about the same time.

Prediction E: Ball 3 will hit first, followed by ball 1 and ball 2 hitting the floor at the same time.

Explain your thinking. What "rule" or reasoning did you use to make your prediction?

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