

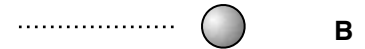
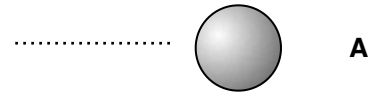
PhyzJob: Momentum and Kinetic Energy Rankings



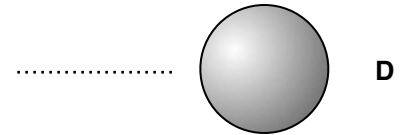
Instructions: In each scenario below, rank the items A B C and D from greatest to least momentum and kinetic energy. Make an equality/inequality sequence using “>” and “=” symbols only. All objects are made of the same material (have the same density) and diagrams are to scale.

1. All objects the same speed.

a. Momentum

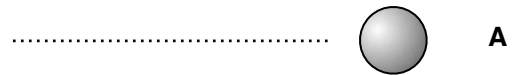


b. Kinetic Energy

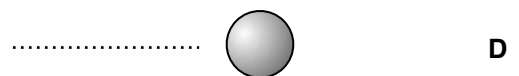


2. All objects have the same mass. Object A is fastest.

a. Momentum

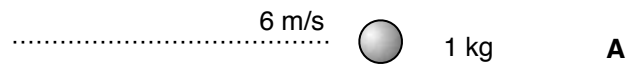


b. Kinetic Energy



3. No guarantees.

a. Momentum



b. Kinetic Energy

