

Answer on Question #51171 – Physics– Other

Why is it easier to open the lid of a container with a spoon than a coin?

Solution:

A spoon has a greater torque as compared to a coin. $\vec{R} \cdot \vec{F}$ vector for a spoon is larger than that of a coin. the handle of a spoon is also longer making the \vec{R} vector large, hence the torque is also increased, making it easy to open the lid. A coin is small, round in shape and hence offers minimum torque.

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