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for the majority of this guided inquiry we are going to use a simulation program written by linda koch ron lemaster trish loeblein and kathy perkins web google phet forces and motion basics and click on the first link click on the play button on the image to begin the simulation part i newton s first law choose the motion window to start the simulation make sure the boxes that say force values and speed are checked a apply a force of 50 n right to the box web phet lab week 2 work balancing chemical equations load the simulation balancing chemical equations critical thinking questions explore the balancing skip to document explain your answer the total number of molecules on the left side of a balanced equation is not always equal to the number on the right side web question torque and static equilibrium phet lab introduction the term torque τ greek letter tau is given to the turning effect you observed when applying a force and is a measurable quantity to cause rotation the twisting 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