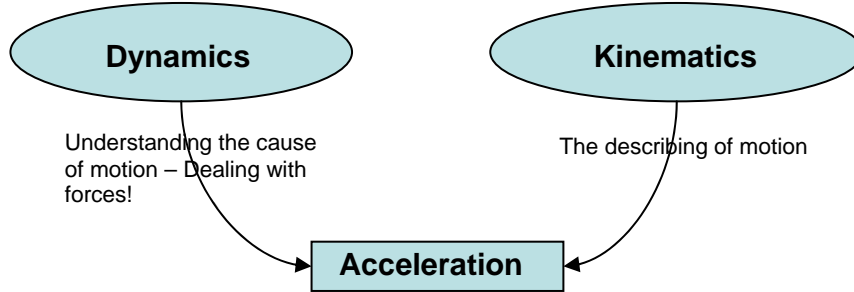


Physics 151 Class Exercise: Kinematics & Dynamics

Use the diagram below to break the following problem into a kinematics and a dynamics part. Realize that acceleration relates the two parts and that mass only appear in the dynamics part.



1. A 68,000 N airplane is taking off. It starts from rests and reaches a velocity of 84 m/s at the end of the 880 m runway. What force is the airplane's thrusters supplying?

Dynamics	Kinematics		
	Known:	Solve:	NI: