

Mechanics Mania Test Answers

- Famous scientist _____ studied pendulums, inclined planes and falling bodies.
 - Albert Einstein
 - Isaac Newton
 - Galileo Galilei
 - Mark Williams
- Isaac Newton's _____ law of motion states an object will stay at rest or will remain in motion in a straight line at a constant speed unless acted on by a push or pull.
 - first
 - second
 - third
 - fourth
- For an airplane to fly in the sky, lift must be greater than _____.
 - drag
 - thrust
 - weight
 - propulsion
- _____ is the force that pulls all matter toward the center of the Earth.
 - lift
 - thrust
 - drag
 - gravity
- Engineers use their understanding of forces and energy to design the following products. (Check all that apply). ← Answer: all are correct!

<input checked="" type="checkbox"/> Infant car seat	<input checked="" type="checkbox"/> Garden clippers
<input checked="" type="checkbox"/> Picture hangers	<input checked="" type="checkbox"/> Sports helmet
<input checked="" type="checkbox"/> Artificial limbs	<input checked="" type="checkbox"/> Blender
<input checked="" type="checkbox"/> Snow shovel	<input checked="" type="checkbox"/> Baby stroller

Addition example products impacted by **Mechanics Mania** concepts: toys that don't break, tools, artificial limbs, appliances (blender, mixer), garden tools (clippers, edger, lawn mower, hoe, rake, pick, shovel, snow shovel), sports equipment (helmets, masks, bats, safety straps).