

Name: _____ Code: _____

Mechanics Mania Test

1. Famous scientist _____ studied pendulums, inclined planes and falling bodies.
 - a. Albert Einstein
 - b. Isaac Newton
 - c. Galileo Galilei
 - d. Mark Williams

2. 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.
 - a. first
 - b. second
 - c. third
 - d. fourth

3. For an airplane to fly in the sky, lift must be greater than _____.
 - a. drag
 - b. thrust
 - c. weight
 - d. propulsion

4. _____ is the force that pulls all matter toward the center of the Earth.
 - a. lift
 - b. thrust
 - c. drag
 - d. gravity

5. Engineers use their understanding of forces and energy to design the following products. (Check all that apply).

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