

Forces, Velocity, and Mass Study Guide

Name _____

Period _____

Acceleration: _____

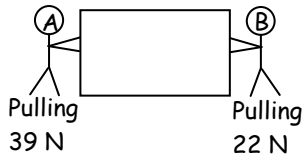
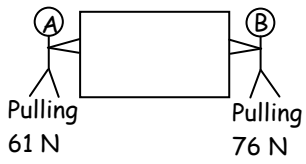
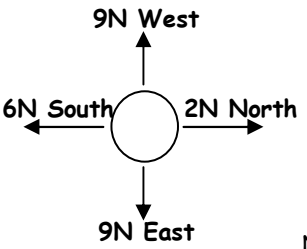
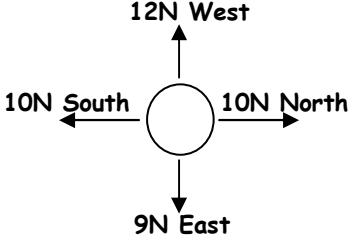
Speed: _____

Velocity: _____

Force: _____

Newton: _____

Net Force: _____

<p>7.</p>  <p>Net Force = _____</p>	<p>8.</p>  <p>Net Force = _____</p>
<p>9. What is the net force on the ball and which direction will it roll?</p>  <p>Net Force = _____</p>	<p>10. What is the net force on the ball and which direction will it roll?</p>  <p>Net Force = _____</p>
<p>11. A ball picking up speed as it is rolling down a hill is an example of _____? (you can circle more than one)</p> <p>balanced force. unbalanced force.</p> <p>changing velocity. velocity not changing.</p>	<p>12. A person riding a motorcycle around a track at 25 MPH is an example of a _____? (you can circle more than one)</p> <p>balanced force. unbalanced force.</p> <p>changing velocity. velocity not changing.</p>
<p>13. Rank the objects below in order of most momentum (1) to least momentum (5).</p> <p>1. _____ Cat running 4 MPH</p> <p>2. _____ Kangaroo jumping 4 MPH</p> <p>3. _____ Whale sitting still</p> <p>4. _____ Rinocerous running 12 MPH</p> <p>5. _____ Bee flying 1 MPH</p>	<p>14. Rank which will accelerate fastest? (1,2,3)</p> <p>_____ Motorcycle</p> <p>_____ School Bus</p> <p>_____ Jeep</p> <p>Why? _____</p> <p>_____</p> <p>_____</p>