

Name: _____

Period: _____ **WARMUP / WRAP UPS**

<p><u>Class 28:</u> Think of all the different kinds of forces in the universe....List as many of them as you can. How many different forces are there?</p>	<p>What caused the reaction with the washers. Draw a free body diagram</p>
<p><u>Class 29</u> a) A feather rests on a strong, solid oak table. Does the table exert any forces on the feather? B) I lean on a sold cement wall, Does it exert forces on me? C) What force causes a ball to bounce?</p>	<p>A little girl sits on a skateboard and her friend pulls her with a constant force. Describe the motion of the girl.</p>
<p><u>Class 30</u> List all the types of friction you can think of. Rank from strongest to weakest.</p>	<p>An ice skater coasts to a stop, a marble rolls across the table and comes to rest, a boy in the back of a truck stays still while the truck accelerates, what <u>force</u> is responsible for the above?</p>
<p><u>Class 31</u> What is the difference between accelerated and non accelerated motion?</p>	<p>DRAW THE FREE BODY DIAGRAM ON THE BOARD AND SOLVE FOR FORCE(S)</p>

<p><u>Class 32</u> Draw a free body diagram showing the following scenarios</p> <ul style="list-style-type: none"> a) an object moving at a constant speed b) an object resisting a force and not moving c) an object speeding up 	<p>DRAW PT AND VT GRAPHS FOR THE SCENARIOS TO THE LEFT</p>
<p><u>Class 33</u> Draw Mrs. C falling from a plane. Include all forces acting upon her. Explain the role of gravity in this example.</p>	<p>WHAT IS THE DIFFERENCE BETWEEN UNIVERSAL GRAVITATIONAL LAW AND GRAVITY ON EARTH.</p>
<p><u>Class 34</u> Draw Mrs. C falling from a plane. Include all forces acting upon her. Explain the role of gravity in this example.</p>	<p>Take the equation for acceleration = $\Delta v / \Delta t$ Substitute gravity for a and solve for distance.</p>
<p><u>Class 35</u> Draw all the forces acting on a projectile motion,</p>	<p>DIAGRAM AND EXPLAIN WHAT TERMINAL VELOCITY IS. HOW CAN YOU CALCULATE IT?</p>

PARTICIPATION EVALUATION