## WHITNEY RELAY GRADES 6-8



Use the picture of the Whitney Relay. Tell the story of this machine as a story of force and motion.

At each point (1-5), describe the motion of the marbles and the forces acting on them. In your description, include information about the marble both before and after it is set in motion.

Some terms to	use:			
	<u>Motion</u>	<u>Force</u>		Popsicle stick prevents marble from moving
	• Still	• Balanced		morn moving
	<ul> <li>Moving at a constant speed</li> </ul>	• Unbalanced		
3/	<ul> <li>Accelerating</li> </ul>	• Gravity		4
	<ul> <li>Decelerating</li> </ul>	<ul> <li>Friction</li> </ul>	3	
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## WHITNEY RELAY GRADES 6 - 8



Use the picture of the Whitney Relay. Tell the story of this machine as a story of energy transfer and transformation.

At each point (1-5) describe the energy of each marble, both before it has been set in motion and as it moves. Describe any transfer or transformation of energy that occurs.

	Some terms to use: • Potential Energy • Kinetic Energy • Transfer	<ul><li>Transform</li><li>Friction</li><li>Heat</li></ul>	Popsicle stick prevents marble from moving
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