Name:	Date:	Class:
Runaway Train!		Pre-Activity Worksheet
Instructions: Read the questions and write y multiple choice questions. Pick only one an	-	· ·
1. What gets you excited about science or m	nath?	
<ul> <li>2. If you were given the chance to create a s</li> <li>a. lecture;</li> <li>b. read textbook;</li> <li>c. watch movie;</li> <li>d. conduct hands- on activity;</li> <li>e. research on the internet</li> </ul>	cience lesson which i	method would you use?
<ul><li>3. Do you think robotics can be helpful whe</li><li>a. Yes</li><li>b. No</li><li>c. Unsure</li></ul>	n used to collect data	in science experiments?
<ul><li>4. What is the force that pulls anything with</li><li>a. Magnetism</li><li>b. Gravity</li><li>c. Friction</li></ul>	mass toward the eart	h?
<ul><li>5. Speed is a measurement of how fast an object in motion.</li><li>a. Mass</li><li>b. Direction</li><li>c. Weight</li></ul>	oject moves. Velocity	is the speed and of an
<ul><li>6. Speed is expressed by units of LENGTH</li><li>a. TIME (second)</li><li>b. MASS (grams)</li><li>c. LENGTH (meters, feet)</li></ul>	(Ex: meters, feet) div	ided by
7. As a car rolls down a hill, which of the fo	ollowing is true?	

a. Its potential energy increases and its kinetic energy decreases.b. Its potential energy decreases and its kinetic energy increases.

c. Both its potential energy and kinetic energy increase.d. Both its potential energy and kinetic energy decrease.