**LESSONS** HOW MUCH CURRENT WILL MY ROBOT DRAW?

STUDENT

## QUIZ / How much current will my robot draw?



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NAME		DATE	CLASS PERIOD	
	<b>10.</b> The amount of work done by your robot in this lab is directly proportional to: (check all that apply)			
	□ The friction of the ram	ıp		
	□ Current draw of the ro	obot		
	The battery voltage of the robot			
	The number of seconds it takes the robot to go up the ramp			
	The total resistance of the robot			
	<b>11.</b> What will happen to the current	draw on the motor	r if the incline is increased from 5° to $30^\circ$	
	□ Remain the same	□ Decrease	□ Increase	
	<b>12.</b> What symbol setting should the	e multimeter be on t	to measure direct current?	
	□Ā	🗆 ĩ	□Ã	
	<b>13.</b> What will happen to the current reading when the drive gear is much larger than the driven gear?			
	□ Current reading will st	ay the same		
	□ Current reading will in	crease		
	Current reading will de	ecrease		
	<b>14.</b> List one factor that affects the current drawn in your motor. Explain why this factor affects current.			