1. Speed C	A How far an object moves between two	1. Slow speed B	A. An object that travels a long distance
2 Distance	positions.		quickly.
Traveled A	B. When an object covers equal amounts of time each second.	2. Fast speed 🔨	R. Can travel a long distance, but requires a lot of time.
3. Elapsed Time	The rate of how fast an object travels a particular distance.	Photogate C Directly	C. Uses a beam of light to start and stop a timer.
4. A E	how many seconds it takes for an event to	Proportional D	D. One quantity increases as another quantity increases.
5. Constant Speed	Delta: means "change of".	5. Indirectly Proportional	S One quantity decreases as another quantity increases.
Will Speed Increase or Decrease?		Mark these as Speed, Distance, Time, or Other	
Distance is constant and time increases.		5 mm/sec	
Time is constant and distance decreases.		10 inches	
Time is constant and distance increases.		0.50 m/s^2	<u>t</u> 8 minutes <u>O</u> 6 Newtons
Distance is constant and time decreases.			
True or folio (and which "A finition upon faithing" [1]		start	
True or false (and why): "A fast car goes farther." false It just there is less time		5r	
Can a slow object travel as far as a fast object?			
Can a slow object travel as far as a fast object?		1. Is the above motion at constant speed? 2. Why or why not?	
takes unone time		2. Why or why not? equal clist dots	
takes when c		 3. Each dot = 1 sec. How long did it take to go 15 m? 4. Calculate the object's speed. D=15m 	
Why do we have to use change of distance (ΔD) instead of just			
distance (D)? Object must move		S= 0/4 15m t=105	
Vies, vies,		5. How would the dots change if it were moving faster?	
		Wide spicing	
A 1.240 m. a			
A bike moves 50 m in 10 seconds. Calculate the speed of the bike.		A car travels 200 miles in 4 hours. Calculate the car's speed.	
Step 1: Variables:	Step 3: Plug in numbers and solve:	Step 1: Variables:	Step 3: Plug in numbers and solve:
S= AD = Som	S= JORC	S= AD= 200 mi	5- Uhr
$\Delta T = 10$ sec.) Josec	$\Delta T = 4hr$	5= 4hr
Step 2: Formula:	Step 4: Give answer with units:	Step 2: Formula:	Step 4: Give answer with units:
S= c/t	S= Sm/s	S= 0/E	S= 50 m/m
A car travels 60 m/s for 10 secs. Calculate how far it traveled.		On holiday, a family travels from Meyerville (10 miles away) to Sprytown (70 miles away), in 3 hours. Find their speed.	
Step 1: Given	Step 3: 2ecfrange	Step 1: Given	Step 3: Victorye
S- 60mls D- 1	107	S S	60mi
t-105%	d=s.t	4.	5-60mi
Step 2: Equation	Step 4: Calc.	Step 2: Lau	Step 4:
S= %	d=60mls.10sec=600sec		S = 20m/hr
		Megalle 60mi	
			100 Sortan 70m.le
		`	l 🥰 🗥