Name:	Date:



COLLISIONS

1. What makes things happen?				
2. At what point in a collision does energy transfer occur?				
3. True or false: you can hold en	nergy in your ha	nd.		
4. When one object runs into an	other and ener	gy is transferred	, we call that a	
a. explosion	b. hit	c. strike	d. collision	
5. True or false: when Dr. Jeff's r	mom collides w	vith Izzy, they bo	th fly backwards	
6. How many variables should b	e changed at a	time in a fair te	st?	
7. Fill in the blank using the wor	d(s) increases ,	decreases or s	stays the same.	
As an object's speed INCREA	ASES, the energ	gy it has to transi	fer	
As an object's weight INCREA	ASES, the energ	gy it has to trans	efer	
8. Where is the crumple zone in	a car and what	t is its purpose?		
9. How do plexiglass barriers ke	eep people safe	at a hockey ga	me? Use the word "energy" in your answer.	
10. In a collision some of the en	ergy is transfer	red into (select a	all that apply)	
a. sound				
b. matter				

c. heat

d. electricity