

Name _____

Science

Class _____

Date _____

Physics Homework # 3-13: Momentum.

Given the following data, solve for momentum.

Object	Mass (kg)	Velocity (m/s)	Momentum (kg-m/s)
Bird	.04	19	.76
Football player	100	10	
Skier	60	20	
Bullet	.004	600	
Frog	.9	12	
Meteorite	.1	1,000	
Baseball	.14	30	
Wagon	2	3	
Satellite	3,000	8,000	

1. List the objects from least momentum to greatest.
2. Does the order of these objects surprise you? Why or why not?
3. Do you think that these objects would always be placed in the same order according to momentum? Why or why not? Explain