Textbook Activity Guide (TAG)

Newton's Laws of Motion: pages 44-50

	Name
omplete the following TAG activity	with your group or learning partner using the following
rategy codes below:	
= Discuss with a partner/group	WR = Write a written response on your own
P= Predict with a partner	Map = Complete a visual aid to represent the information
kim = Read quickly for a stated pu	rpose, discuss with your partner
Skim, WR Find Newton's Laws of	Motion and write them below.
1)	
1)	
	
2)	
3)	
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•	ten called the law of Inertia. Skim the section on inertia and Using this definition, explain why you will jerk forward in a akes.
INERTIA-	

WR, S	KIM Why is it easier for you to throw a baseball than a bowling ball?
	A, P If objects in motion should stay in motion, why is it that when you throw a ball prwards, it will eventually fall down and roll to a stop on the ground?
Map,Pl	P Imagine you're in space and you push an object forwards. Make a diagram showing the object's motion if it went past a planet (HINT: Gravity will pull on the object a bit).
SKIM	Find the section on Newton's Second Law. What are the two things that the Acceleration of an object depends on?
1. _.	Which of the following would accelerate more: A large object being pushed by a small force, or a small object being pushed by a large force?
- SKIM,	WR When a ball is dropped, gravity from the ball pulls on earth, and earth's gravity pulls the ball. Why don't we see the effects of the ball pulling on the earth?
SKIM,	P, MAP Skim the section on Newton's Third Law (Action-Reaction Forces). Try drawing the Reaction forces on the car below (HINT: 2 force pairs. Remember gravity, and the

wheels!).