Naı	me	Class	Date			
s	Skills Worksheet					
	Directed Rea	ading A				
Se	Section: Newton's Laws of Motion					
1.	. In 1686, what did Sir Iss	sac Newton explain wit	th his three laws of motion?			
NE	EWTON'S FIRST LAW O	F MOTION				
2.	. What is Newton's first la	aw of motion?				
3.	. Which of Newton's laws net force of 0?	s of motion describes t	he motion of an object that has a			
4.	. What are two examples	of objects at rest?				
5.	. How could an unbalance slide across the room?	ed force work on a char	ir at rest on the floor to make it			
6.	•		nat will happen to the motion of n unbalanced force acts on			
7.	. If you were in a bumper continue to move forwar		hit another car, would you			
8.	. What unbalanced force a	acts to stop a desk that	is sliding across a floor?			

Nan	ne	Class	Date			
	Directed Reading A continued					
9.	What does friction do to the	e motion of object	ts?			
10.	What is Newton's first law	sometimes called	1?			
11.	<u> </u>	•	eing moved or, if the object is ion until an outside force acts on			
12.	Why is it easier to change to object with a small mass?	he motion of an o	object with a large mass than an			
	NEWTON'S SECOND LAW OF MOTION 3. What is Newton's second law of motion?					
14.	What happens to the accele	ration of an objec	et as its mass decreases?			
15.	What happens to the accele increases?	ration of an objec	et if the force on the object			
16.	Why would a cart start mov gave it a soft push?	ving faster if you	gave it a hard push than if you			
17.	In what direction do objects	s accelerate?				

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	Directed Reading A continued	
	8. How is the relationship of acceleration (a) to mass (m) and for mathematically?	ce (F) expressed
19.	9. Why is an apple easier to accelerate than a watermelon?	
NE	IEWTON'S THIRD LAW OF MOTION	
20.	0. What is Newton's third law of motion?	
21	1 Euglain valve Navetan's third law can be stated as "all famous as	4 in mains ??
21.	1. Explain why Newton's third law can be stated as "all forces ac	t in pairs.
22.	2. What action and reaction forces are present when you are sitting	ng on a chair?
23.	3. How do action and reaction forces move a swimmer forward in	n the water?
24.	4. Since all forces act in pairs, what happens when a force is exer	ted?
	5. When a ball falls to Earth, why is it hard to see the effect of the exerted by the ball on Earth?	e reaction force