Name:	<u></u>	Period:	#:	
	Gravity and Motion Notes			
Key Co	oncepts			
•	What determines the strength of the force of gravity between What two factors combine to keep the moon and Earth in or	=		
Key Te	<u>erms</u>			
•	Force Gravity Law of universal gravitation Mass Weight Inertia Newton's first law of motion			
1. What is gravity?				
	at does Newton's Law of Universal Gravitation state? at is the unit for gravity?			
4. The	strength of the force of gravity depends on what 2 factors?			
5. Wh	y don't you notice the force of attraction between you and a b	ook in your hand	?	
6. Wh	at is weight?			
7. Wh	y would you weigh less on the moon than on the Earth?			
8. Stre	ength of gravity is affected by the distance between the two ol	ojects.		
What	happens to the force of gravity as the distance between 2 obje	ects increases?		

9. If the Earth and the sun are constantly pulling on each other because of gravity, why doesn't the Earth fall into the sun, or the Moon fall into Earth?
10. What is inertia?
11. Give an everyday example of inertia.
12. What is Newton's First Law of Motion?
13. Why do Earth and the Moon remain in their orbits?
14. What would happen to the moon without Earth's gravity?
15. What would happen to the moon if it were not moving in orbit?