12.4 Universal Forces Honors Integrated Science

Name:		Date:
informatio	ns: Answer the following questions in completion from the reading/graph to support your lear final answer should include appropriate units	rning. For all math questions, show your work
1. H	How does friction with the atmosphere affec	t the speed of an artificial satellite?
	The moon and its orbit around Earth behave swung above your head. Explain the forces	
3. If	f the speed of an orbiting satellite decreases	s, how might you expect its orbit to change?
4. E	Explain how Newton's third law and his law	of universal gravitation are connected.

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5.	Write a paragraph describing why you think the outcomes of scientific investigations related to universal laws would be similar regardless of what part of the world they might be conducted.
6.	What force is responsible for your socks sticking together after they have been in a clothes dryer?
7.	What particles do the strong and weak nuclear forces act on?
8.	What force is responsible for the orbits of the planets in the solar system?