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Universal Gravitation and Circular Motion

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CUNY La Guardia Community College

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3. What makes things fall when holding them up above your head and release them in the air? Does this force still exist high up above the earth where satellites are usually located? If yes, why don't satellites fall?

4. In the Glass of Wine experiment, what are the necessary conditions for the glass of wine move above head without spilling or falling? Can it happen without the man holding the string hard and pulling the string hard? What is the direction of the force applied on the glass of water when it moves around? Is there any force acting on the satellite when it goes around the earth? What is the force and where is the force from?

5. What are the necessary conditions for planets to go around the sun without falling? Is there a force required? If yes, what kind of force it is and where is the force from?

First and last name:

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