# CENTRIPETAL FORCE \& GRAVITY 

Unit 10 \& 11
Dr. John P. Cise, Professor of Physics, Austin Com. College, 1212 Rio Grande St., Austin Tx. 78701 jpcise@austincc.edu \& New York Times, August 28, 2015 by Michael Roston


From left: Europa, the moon of Jupiter; Titan, the moon of Saturn; a composite image of the Valles Marineris across Mars; a mosaic of Venus's surface. CreditNASA Most of us have come down from the highs of seeing Pluto up close for the first time. Ever since New Horizons beamed back those photos, the question has loomed: What's next?
We asked a few experts and Times readers what NASA's exploratory priority should be in the years ahead. More than 1,600 readers shared their imaginative ideas. Some responses were serious and technical. Others were more whimsical, like that of Carter Read of Brooklyn, who proposed that we "send a record player bumping the sounds of Chuck Berry's 'golden decade' into deep space," because "he's the best communicator the human race has." (Mr. Berry already has one song in space, aboard the Voyager spacecraft.) Below are some of the best responses, starting with the most popular. Perhaps NASA - and the members of Congress who appropriate its budget - will listen up.


Europa, right, crosses nead Jupiter's Great Red Spot in a multiframe mosaic captured by Voyager 1 in March 1979.

> INTRODUCTION: This application's goal is to find mass of Jupiter using period ( $T$ ) and distance ( $R$ ) of Jupiter's moon Europa is from Jupiter. NASA states period of Europa is 3.551 days( $T$ ) around Jupiter and distance ( $R$ ) about Jupiter is 670,900 km. Europa stays in orbit Jupiter due to Gravitational pull of Jupiter. G $M m / R^{2}=m v^{2} / R$

