## Fly Away Moon

<b>Background</b> Gravity holds the Earth and Moon together. What do you think would happen to the moon if there were no gravity?	
What You Need	
1 piece of string 1 paper towel tape	
What You Do	
<ol> <li>Crumple up the paper towel into a ball. Use tape to hold it together</li> <li>Tape the ball to one end of the string.</li> </ol>	
3. You will be the Earth, the ball will be the Moon, and the string will sure you have lots of room around you. Hold the loose end of the st around your head. The Moon will continue to go around the Earth a pulling the two together.	ring and spin the ball
Pretend that there is no gravity by letting go of the string. What happer	ns to the Moon?
Think About It	
Every planet and moon has its own gravity. The strength of the gravity of the planet or moon. You will weigh more on a planet that has more gou'd weigh in different places.	<del>-</del>
What is your weight on Earth?	pounds
On the moon, you would weigh much less, about 1/4 of what you weigh on Earth. How much would you weigh on the moon?	pounds
On Jupiter, you would weigh much more, about 2 1/2 times what you weigh on Earth. How much would you weigh on Jupiter?	pounds
Could you actually stand on the moon and on Jupiter?	