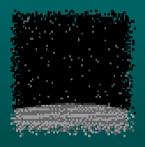


What is it?

http://www.fi.edu/piec es/cych/apollo%2010 /story/hoi/ball3.html http://www.fi.edu/piec es/cych/apollo 10/story/hoi/ball.html

Gravity is...

 A natural force that pulls all objects toward the center of the earth.



WHAT IS A FORCE?

A pull or a push on an object



Which do you think would fall first?

A bouncy ball

Try It!
Or a marble

They fall at the same rate of speed, but the marble has more mass (weight) and so gravity makes it fall harder!

Gravity has a stronger force on things with more mass!

It takes a force to overcome gravity!

Throw a bean bag in the air and then...

Throw a basketball in the air.

Which one was harder to throw?

 You had to use more force to throw the basketball because it has more mass (weight)



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