

Week 9 Mass

Mass vs Weight

Why do things hurt when they hit you? (Hint: if they hit you and stop instantly, it wouldn't hurt.)

Write each thing in the proper column.

- Amount of stuff that's there
- Pull of gravity on the stuff
- Measured in kilograms
- Measured in Newtons
- Changes depending on where you are (Earth, Moon, zero-g)
- Is with you no matter where you are

Mass	Weight

MAKE A GUESS: Is it mass or weight that makes things hard to speed up, slow down, or turn (and makes things hurt when they hit)?

- Mass.** Being hit with a baseball in zero-g would still hurt!
- Weight.** Being hit with a baseball in zero-g would not hurt!

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