
Mass and Forces

Topic 3

Mass

- This is how much matter there is in an object
 - We measure mass in kilograms (kg)
 - Kilo means 1000 - so a kilogram is 1000 grams!
 - Mass stays the same no matter where you are
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Forces

- Forces are pulls or pushes
- The unit of force is a newton (N)
- Forces have both a direction and a size

pushes and pulls - forces and motion

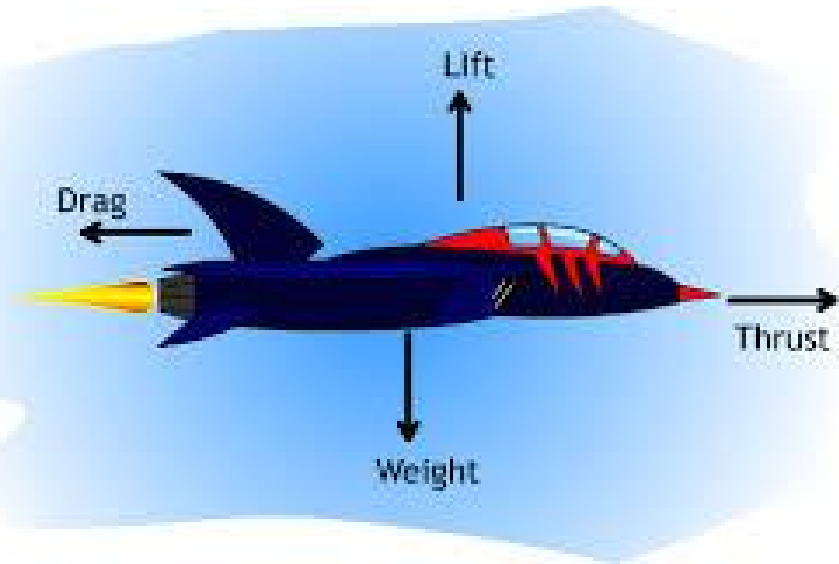


Weight

- Weight is a force and is measured in N
 - Weight can change depending on the gravitational force
 - An object's weight depends on where it is
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Picturing Forces

- We use force diagrams to show the direction and strength of a force
 - The bigger the arrow, the bigger the force
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Questions

pg 304

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