

# **Forces Quiz - Teachers Notes**

## **Learning Objectives**

1. To use vocabulary associated with forces
2. To think about forces and their properties

## **Preparation**

1. Colour print this document ideally onto paper and laminate - alternatively, use thick card.
2. Cut each sheet up along the black lines to form playing cards
3. Use hoops or similar to create a Venn Diagram with sets "True", "Not True" and "Not sure".
4. The cards with red and green backgrounds are to be used by the Teacher to decide which statements are true and which are false.

## **Instructions**

1. Children to discuss and sort each statement onto Venn diagram – true, not true, not sure.
2. Teacher or children could think of other statements to fill empty boxes.

Gravity is a force



The harder you **push** a toy car, the further it will go



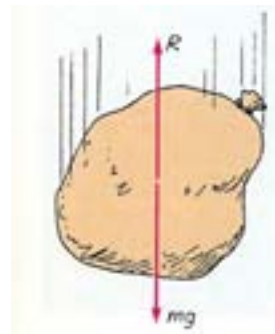
There is no **gravity** in water



A parachute with a large canopy will fall **quicker** than a parachute with a small canopy

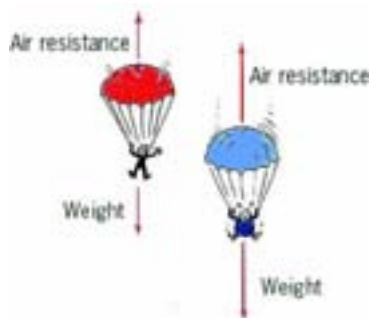


Rough surfaces create more **friction** than smooth surfaces



**Upthrust** is not a force

Air **resistance** is a force



Gravity is measured in **newtons**

**Friction** is not a force



There is more **gravity** on the moon than on earth



A heavy object **falls** quicker than a light object



We use a **force meter** to measure forces



We use a **thermometer** to measure forces



It is harder to **pull** an object on earth than on ice



There is no **gravity** on the moon



Objects **fall** more slowly in water than in air

**Friction** stops us from floating up into the air



The more **weight** you attach to a spring the **further** it will stretch



The speed an object falls is related to its **surface area**



Lewis Latimer invented **gravity**

Gravity is a force



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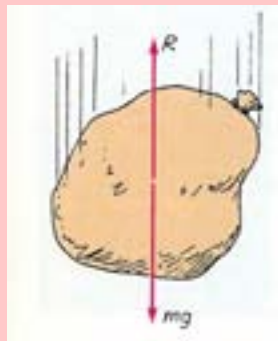
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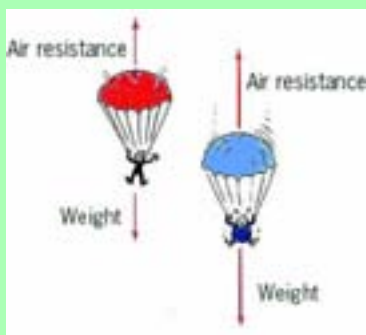


Rough surfaces create more friction than smooth surfaces



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Gravity is measured in newtons

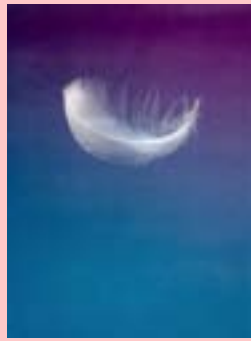


Friction is not a force

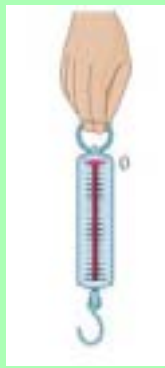
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