Forces in Action Fact Sheet Air resistance is a type of friction which slows This is a **forcemeter**. It 2 the fall of a parachute or a piece of paper in air. is marked in marked in The bigger the surface area the greater the 20 **newtons**, and is used to <u>ha</u> amount of air resistance. measure the **magnitude** 2 of a force. 20 **Friction** is the force between two surfaces - for example there is friction between a 20 These two teams are both **pulling**, in 20 car tyre and the road, or a ski and snow. the **direction** of the **arrows**, in this game Melted snow between the ski and the snow 20 of tug o'war: **lubricates** the ski and reduces the friction. 2 gravity 2 2 The forces of gravity and 20 upthrust need 2 to be **balanced** 2 Water resistance is another for a ship to type of **friction** which slows The Earth's gravity pulls float. 2 objects moving through water. objects to its centre. upthrust 20 2

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in grams (g)
newtons - the units used to measure forces (N)speed - how fast an object is moving
unbalanced - when one force acting on an object is greater than the other forces, the object moves in the direction in which that force is acting
upthrust - a force in water which pushes upwards
water resistance - the force that water exerts on a
moving object
weight - the force downward on an object caused by
gravity
The forces on this gymnast are balance the gymnast is stationary .