

Quiz questions - forces

1. The force that pulls things towards the Earth is called?

- A. Upthrust
- B. Friction
- C. Gravity
- D. James

C. Gravity

2. Which of these is not the name for a force?

- A. Push
- B. Pull
- C. Sit
- D. Twist

C. Sit

3. Which scientist is said to have seen an apple falling and then worked out the theory of gravity?

- A. Louis Pasteur
- B. Isaac Newton
- C. Stephen Hawking
- D. Marie Curie

B. Isaac Newton

4. The unit for measuring the MASS of an object is?

- A. Kilogram
- B. Metre
- C. Watt
- D. Joule

A. Kilogram

5. Which of these is a way of reducing FRICTION?

- A. Oiling a chain on a bike
- B. Putting petrol in a car
- C. Opening the windows in your house
- D. Putting up the sail on a yacht

A. Oiling the chain on a bike.

6. When an object floats in water the name of the force pushing UP is?

- A. Gravity
- B. Friction
- C. Upthrust
- D. Mass

C. Upthrust

7. What do we often use to measure the weight of something?

- A. A newtonmeter
- B. A ruler
- C. A wheel
- D. A lever

A. A newtonmeter

8. If I put an Apple on a Newtonmeter and then put the apple in water it will...

- A. Weigh more
- B. Weigh less
- C. Weigh the same
- D. Turn into an orange

B. Weigh less

9. Which is heavier? A kilo of lead, a kilo of flour, a kilo of feathers.

- A. The flour
- B. The lead
- C. The feathers
- D. All the same

D. All the same

10. The force that keeps the Moon going around the Earth is called:

- A. Upthrust
- B. Gravity
- C. Friction
- D. Satellite

B. Gravity

11. If a boat is floating in the sea then:

- A. The upthrust is bigger than the weight
- B. The upthrust is smaller than the weight
- C. The boat has no weight
- D. The upthrust is the same as the weight.

D. The upthrust is the same as the weight.

12. You would expect a 1 kilogram mass to have a weight in the classroom of about:

- A. 1 N
- B. 10 N
- C. 100 N
- D. 1000 N

B. 10 N

13. On an icy day the stopping distance for a car is:

- A. Greater than usual
- B. Less than usual
- C. The same as usual
- D. Always 10 metres

A. Greater than usual

14. To find the speed of an object I need to measure:

- A. The distance travelled
- B. The engine size of the object
- C. The distance travelled and the time taken to cover this distance
- D. The length of the object

C. The distance travelled and the time taken to cover this distance

15. The famous Scientist who is said to have jumped out of the bath shouting 'Eureka!' is:

- A. Euphrates
- B. Einstein
- C. Galileo
- D. Archimedes

D. Archimedes

16. What do you need to know to find out something's density?

- A. Weight and length
- B. Mass and Volume
- C. Length and width
- D. Mass and colour

B. Mass and Volume

17. Which of these will help a Formula 1 car go faster?

- A. More air resistance
- B. Better streamlining
- C. Larger tyres
- D. Heavier engine

B. Better streamlining