

Name:

Date:

KS2 Quiz

Unit title: Unbalanced forces

1 Which forces are types of friction?

- A Air resistance and gravity.
- B Air resistance and water resistance.
- C Water resistance and gravity.
- D Gravity and friction.

2 Which factors affect gravity?

- A Mass and distance.
- B Surface area and speed.
- C Roughness and weight.
- D All of the above.

3 Which effect is caused by balanced forces?

- A Changing speed.
- B Changing shape.
- C Stopping moving.
- D Steady movement.

4 Which of these objects is not streamlined?

- A A shark.
- B A missile.
- C A parachute.
- D A sports car.

5 Which size parachute will cause the most air resistance?

- A Small.
- B Medium.
- C Large.
- D None - they will all have the same air resistance.

6 Which simple machine is primarily used to change the speed and direction of a force?

- A Pivots.
- B Levers.
- C Pulleys.
- D Gears.

7 Which of these simple machines uses a lever?

- A Scissors.
- B Bicycle.
- C Flagpole.
- D Windmill.

8 Which of these effects is caused by unbalanced forces?

- A Changing speed.
- B Changing direction.
- C Changing shape.
- D All of the above.

Name:

Date:

KS2 Quiz

Unit title: Unbalanced forces

9 Which of these is a non-contact force?

A Air resistance.

B Gravity.

C Friction.

D Water resistance.

10 Explain the effect shown by the diagram.