

## Air Resistance

### 1. Insert the missing words.

effect      friction    air      water      surface area      drag      streamlined  
parachutes

Air resistance is a force sometimes called \_\_\_\_\_. Like gravity, we can't see air resistance, but we can see the \_\_\_\_\_ it has on objects. An easy way to remember it is as a type of \_\_\_\_\_ in the air. Air resistance is often demonstrated using \_\_\_\_\_. The larger the \_\_\_\_\_ of the parachute the more drag, or air resistance is felt. Objects, like cars, are specially designed to minimise the effect of air resistance, we call this \_\_\_\_\_.

Friction applies to all states of matter – in the gas state it is called \_\_\_\_\_ resistance and in a liquid it's called \_\_\_\_\_ resistance.

### 2. Answer the questions True or False.

- (a) Air resistance only applies to parachutes. \_\_\_\_\_
- (b) Sports cars are designed with sloping fronts to minimise the effects of drag. \_\_\_\_\_
- (c) Air resistance isn't felt on the ground. \_\_\_\_\_
- (d) The reason athletes, especially 100m runners, wear tight-fitting clothes is to minimise drag. \_\_\_\_\_
- (e) Drag slows you down. \_\_\_\_\_

