

Forces

3. Contact Forces

CONCEPT 1

TEST YOURSELF

FRICTION AND DRAG

KNOW

- Q1 Why is it an advantage for birds to have a streamline shape?
- Q2 Think about cars that have a streamlined shape. How have the designers reduced the amount of drag?
- Q3 How does this idea apply to the design of the speedboat?

APPLY

- Q4 Explain how wind flaps on an aeroplane either reduce or increase drag?
- Q5 Suggest the effect that fitting a roof rack to a car will have?
- Q6 Explain why we sometimes use the word friction and then other times drag.

EXTEND

- Q7 How does the clothing and helmet of a championship cyclist reduce drag?

