

# Forces

## 3. Contact Forces

### CONCEPT 2

### TEST YOURSELF

#### RESULTANT FORCE ON AN OBJECT

##### KNOW

- Q1 (a) How would you describe the type of force the Earth has on a bungee jumper.
- (b) What is the name given to this force?

##### APPLY

- Q2 What does the word constant mean?
- Q3 (a) Describe the forces acting on the sycamore seed as it falls and spins downwards.
- (b) Why does a sycamore seed not keep accelerating downwards?



##### EXTEND

- Q4 Draw a horizontal force diagram to show the forces acting on a cyclist.
- Q5 Explain what would happen to the motion of the cyclist if the force she applied to the pedals was greater than air resistance and friction combined.

