

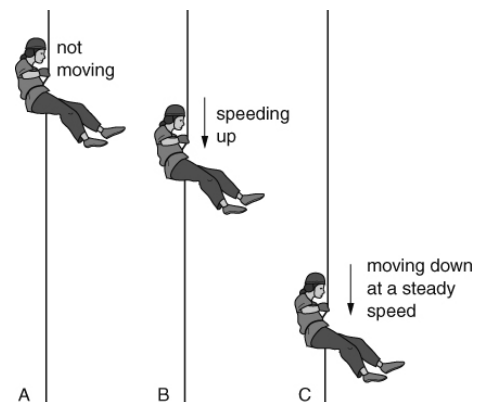
1 Look at the drawing of the cyclists.

What will happen to the speed of each person? Explain your answers.

2 If they all carry on cycling with the same force as in the drawing, who will be moving the fastest in 5 minutes' time? Explain your answer.

These drawings show Fran abseiling. She is using friction to control how fast she moves down the rope.

- 3
 - a What is the force that is pulling Fran down in drawing A?
 - b Does this force change in the situations shown in drawings B and C? Explain your answer.
 - c What is stopping this force making Fran move down in drawing A?
- 4 Are the forces on Fran balanced or unbalanced in each drawing? Explain your answers.
- 5 Describe *two* examples in everyday life of:
 - a balanced forces on a stationary object
 - b balanced forces on a moving object.



I can...

- identify balanced and unbalanced forces
- explain the effects of balanced and unbalanced forces.