

MODULE: *Marvellous Motion*

Post Test

1.



The picture includes birds, a swimmer and some fish. Which of these objects is the force of gravity working on?

- A The swimmer only.
- B The fish and the swimmer only.
- C The birds only.
- D The birds, the fish and the swimmer.

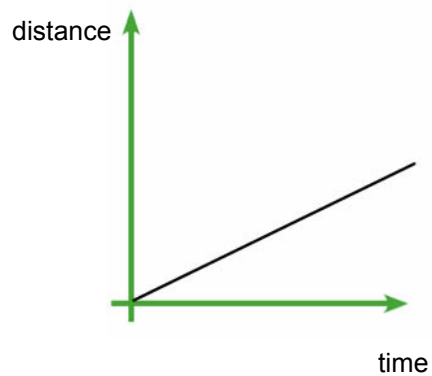
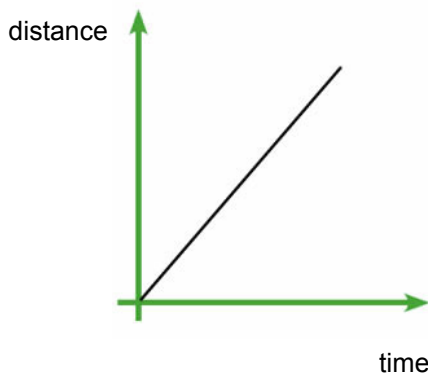
(1 mark)

2. Complete the missing data in the table below.

Time (seconds)	Distance (metres)
0	0
1	15
2	30
3	45
4	60
5	

(1 mark)

3. Compare the 2 graphs and choose the correct explanation



- A Both graphs show objects speeding up.
- B Both graphs show objects travelling at steady speeds.
- C Both graphs show stationary objects.
- D Both graphs show objects slowing down.

(1 mark)

4. In physics, 'Work' is done when an object is moved in the direction of an applied force. In which of these pictures is work being done?



(i)



(ii)



(iii)

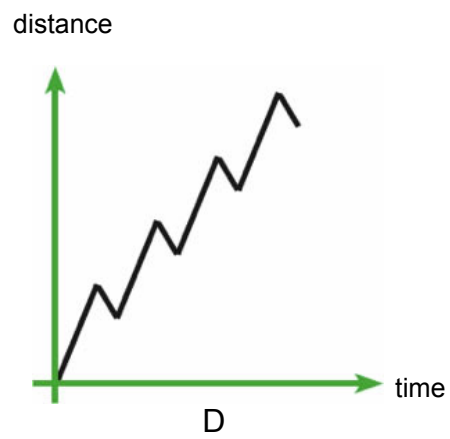
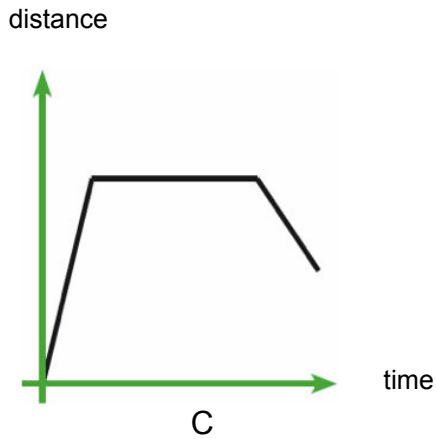
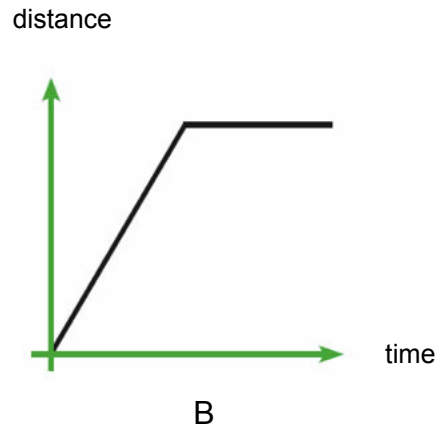
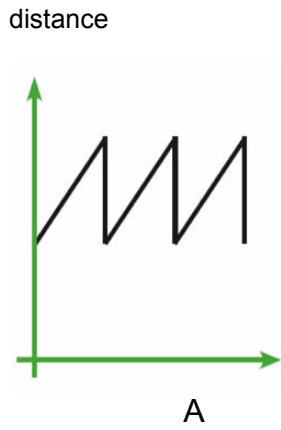


(iv)

- A (i) only
- B (ii) and (iv)
- C (iii) and (iv)
- D (i), (ii), (iii) and (iv)

(1 mark)

5. Mae went on a bike ride to the lakeside. When she reached the lake, she sat down for awhile on a bench before starting to ride back home. Which graph best shows Mae's journey?



(1 mark)