## **Mass Transport - Questions by Topic**

## Q1.

Water is a polar molecule. The diagram shows a molecule of water.



Complete the diagram to show the dipole nature of this water molecule.

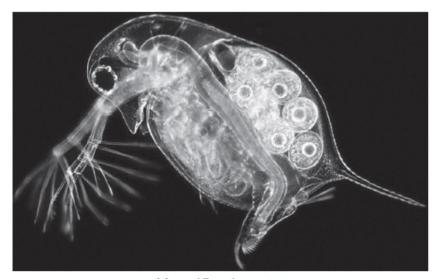
(Total for question = 2 marks)

## Q2.

Explain how the dipolar nature of water is essential for living organisms.	
	(2)

## Q3.

The photograph below shows *Daphnia* (a water flea). *Daphnia* can be used to investigate the effect of chemicals on heart rate.



Magnification ×30

Explain why many small ammais, such as <i>Daphilla</i> , have a neart.	
	(3)