**Q 2010 3**

The diagram shows the structure of *Amoeba*.

B

A

* 1. Name the parts labelled A, B and C.

A ………………………………. B ……………………………….. C ……………………………......

* 1. To which kingdom does *Amoeba* belong?
	2. Is the cell of *Amoeba* prokaryotic or eukaryotic?
	3. Give a reason for your answer to part (c)
	4. Give **one** function of A in *Amoeba*

(f) 1. Give **one** function of B in *Amoeba*

2. Suggest **one** reason why B is more active in freshwater amoebae than in marine amoebae.

**MS 2010 3**

|  |  |  |  |
| --- | --- | --- | --- |
| **3.** | (a) | A = pseudopods (false feet); B = contractile vacuole; C = food vacuoles | **3, 2, 1, 0** |
|  | (b) | Protista **or** Protoctista | **3** |
|  | (c) | Eukaryotic | **3** |
|  | (d) | Membrane-bound organelles **or** named membrane-bound organelle[*allow nucleus*] | **3** |
|  | (e) | Feeding (or explained) **or** movement | **3** |
|  | (f) | 1. Osmoregulation or explained [*allow excretion or homeostasis*]
2. Freshwater more hypotonic **or** more H2O intake **or** reference to concentration difference
 | **3****2** |