

# Organisms and their Environment

## Mark Scheme

<b>Level</b>	IGCSE
<b>Subject</b>	Biology
<b>Exam Board</b>	CIE
<b>Topic</b>	Organisms and their environment
<b>Sub-Topic</b>	
<b>Paper Type</b>	Alternative to Practical
<b>Booklet</b>	Mark Scheme

**Time Allowed:** 14 minutes

**Score:** /11

**Percentage:** /100

1 (a) (i)

	total	average
dark and dry	24	6
light and dry	4	1

2 totals and 2 averages correct;;  
 [dark and moist total 204 – average 51 – already calculated]

[2]

- (ii) working and completion of pie chart  
 4 sections;  
 proportions correct;  
 labels/ key;

	average	s
dark and dry	6	2
dark and moist	51	17
light and dry	1	1/3 <sup>rd</sup>
light and moist	2	2/3 <sup>rd</sup>

[3]

- (b) (i) largest number in dark and moist sector;

[1]

- (ii) largest number in damp conditions;  
 to stop drying out and/or to be less conspicuous;  
 hide under cover for survival;  
 not exposed to sun and dry out;  
 AVP;

[max: 2]

- (c) fresh sample so first time / no previous experience/AW;  
 different chambers – no scent;  
 more woodlice;  
 equilibrate apparatus between trials;  
 monitor temperature / one named variable;  
 level bench / turn or rotate chamber;

[max: 3]

[total: 11]