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	<b>Cambridge IGCSE – October/November 2016</b>	<b>0511</b>	<b>21</b>

### Exercise 1 Welcome to Deacon Dale

- (a) caves / Deacon Hole / tunnels / another world [1]
- (b) put on (climbing) boots OR climbing shoes / (and) a (safety) helmet [1]  
BOTH REQUIRED FOR ONE MARK
- (c) reaching cave / magnificent cave [1]
- (d) easier caves / practice caves [1]
- (e) wetsuit / knee pads / elbow pads [1]  
ANY TWO FROM THREE
- (f) proud / exhausted [1]
- (g) encourages teamwork / encourages trust / shared (sense of) achievement [2]  
ONE MARK EACH FOR ANY TWO FROM THREE
- (h) groups coordinator [1]

**[Max total for Exercise 1: 9 marks]**

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## Exercise 2 Squid that lights up in the dark

- (a) North Pacific Ocean / off south eastern (SE) Japan [1]
- (b) lowered cameras into ocean / lowered cameras from ship / lowered cameras alongside food / attracted (it) with food / put food at end of long line [1]
- (c) 2004 [1]
- (d) blinds (it with flashes) / uses light-producing organs [1]
- (e) lemons [1]
- (f) supports (their) theories / proof / it has been theory until now [1]
- (g) swims backwards and forwards / changes direction rapidly OR bending body / fast OR speed (2.5m per second) / muscular fins [1]
- ONE MARK EACH DETAIL - ANY TWO FROM THREE [2]
- (h) muscular fins [1]
- (i) (swim in very) deep waters [1]
- (j) female giant squid **AND** 10 m(etres) [1]
- (k) 1. blind prey / hunt  
2. light surroundings / swim in dark places  
3. measure distance  
4. communication / warning (signal)  
5. attract mate [1]
- ONE MARK EACH DETAIL - ANY FOUR FROM FIVE [4]

**[Max total for Exercise 2: 15 marks]**