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**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

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

ONE MARK EACH DETAIL - ANY FOUR FROM FIVE [4]

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