## Question 14

14 Which diagram represents the most effective design for a microscopic membrane filter to purify contaminated water?
(A)

(B)


| KEY |
| :---: |
| $\Rightarrow$ <br> Clean water |
| Contaminated water |
| W/1] |

(C)

(D)

Microscopic membrane
Movement of water
Trapped
contamination

| Choice | Band 1/2 | Band 2/3 | Band 3/4 | Band 4/5 | Band 5/6 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| A | 37.4 | 22.4 | 18.1 | 10.6 | 1.4 |
| B | 27.6 | 38.6 | 54.5 | 70.7 | 85 |
| C | 19.5 | 20.9 | 10.8 | 6.5 | 2.4 |
| D | 14.6 | 18.2 | 16.1 | 12.2 | 11.1 |
| N | 0.8 | 0 | 0.4 | 0 | 0 |

Question 14


The table and graph show, for the groups of students whose marks in the examination corresponded to the borderline between two bands, what percentages of each group selected the responses $A, B, C$ and $D . N$ is used to identify: No valid response.

