

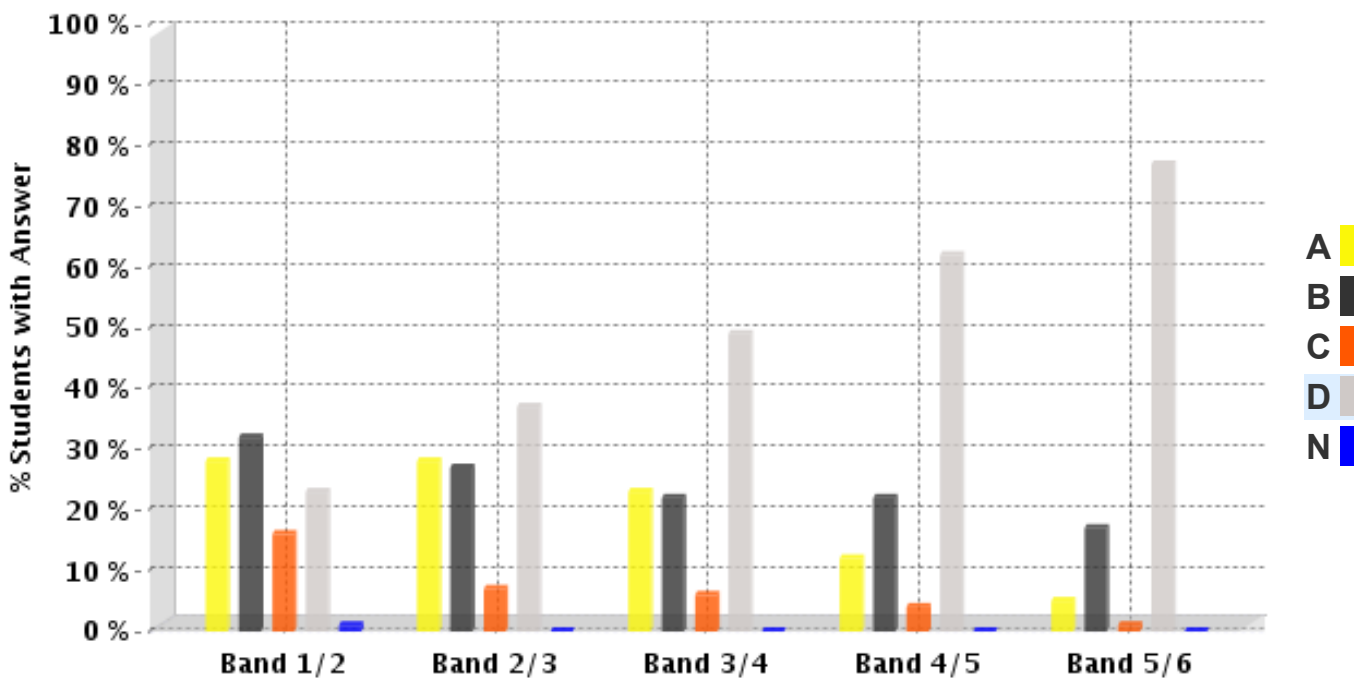
Question 10

An experiment was conducted to test the effect of dissolved carbon dioxide (CO₂) on the pH of water. It was found that the pH of water decreased as CO₂ was added.

How do these findings relate to the acidity of blood as it circulates in the body?

- A Blood in the veins of muscles becomes less acidic.
- B Blood in the arteries of muscles becomes less acidic.
- C Blood in the capillaries of the brain becomes less acidic.
- D Blood in the capillaries of the lungs becomes less acidic.

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	28%	28%	23%	12%	5%
B	32%	27%	22%	22%	17%
C	16%	7%	6%	4%	1%
D	23%	37%	49%	62%	77%
N	1%	0%	0%	0%	0%

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.