Mark Scheme - Exchange Surfaces - MCQ

Question			Answer/Indicative content	Marks	Guidance
1			B	1	
			Total	**1**	
2			B ✓	1	
			Total	**1**	
3			B ✓	**1**	**Examiner's Comments** This question was generally answered well, with candidates being able to discern the difference between correct and incorrect descriptions of the countercurrent process.
			Total	**1**	
4			C ✓	**1**	**Examiner's Comments** Candidates had to use values from a table to perform simple calculations, some involving standard form, and then process this information to choose the correct order of SA:V for a group of mammals. Many candidates were able to perform the calculations correctly to achieve the correct response.
			Total	**1**	
5			A ✓	1	
			Total	**1**	
6			C ✓	1	**Examiner's Comments** Candidates had to process the information in the graph of PEF data and choose the appropriate values to perform their calculation. Candidates often struggle with such percentage calculations in section **B**, but this posed little problem for the majority of candidates who were able to perform the calculation and identify C as the correct option.

			Total	**1**	
7			**B** ✓	1	
			Total	**1**	
8			**B** ✓	1	**Examiner's Comments** The correct response was B, but many candidates selected A or C. ⓘ **OCR support** The topic exploration pack on 'Mechanisms of ventilation and gaseous exchange', provides ideas on teaching ventilation in insects: https://www.ocr.org.uk/Images/209191-mechanisms-of-ventilation-and-gaseous-exchange.pdf
			Total	**1**	
9			C	1 (AO1.1)	
			Total	**1**	
10			D	1 (AO1.2)	
			Total	**1**	
11			B ✓	1 (AO1.1)	
			Total	**1**	
12			**C** ✓	1	**Examiner's Comments** This was answered quite well, the more common incorrect answers being **B** and **D**.
			Total	**1**	
13			B	1	

			Total	**1**	
14			B	1	
			Total	**1**	
15			D	1	
			Total	**1**	