

APOLLO

Diversity of organisms

SL

Biology

First assessment 2025

6 questions | mark schemes

Mark-scheme answers

Biology SL | Paper 1A | May 2025 TZ1 | Q8 | 1 marks

8. C

Biology SL | Paper 1A | May 2025 TZ3 | Q25 | 1 marks

25. A

2.	a	a group of organisms that (share traits and) can breed/interbreed/sexually reproduce and produce <u>fertile</u> offspring;		1
2.	b	a. the number/type/size of chromosomes can be investigated/ deduced through karyotyping; OR species have a characteristic number of chromosomes OR chromosomes are classified/identified by banding, length and position of centromere; b. individuals/dogs with the same number and type/size of chromosomes (probably) belong to the same species;	<i>Allow converse for marking point b.</i>	2

Question	Answers	Notes	Total
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Mark-scheme answers

Biology SL | Paper 1A | Nov 2025 TZ1 | Q13 | 1 marks

13. C

Biology SL | Paper 1A | Nov 2025 TZ1 | Q25 | 1 marks

25. D

4.	a		<i>Poecilia</i>		1
4.	b		group of organisms with (visible) shared traits		1
4.	c	i	a. same population, as the fish have similar body morphology OR same population, as colour variation could be normal within the population; b. different population, as the fish show variety in pattern/colour;		1
4.	c	ii	a. observe (courtship/mating) behaviour when they are together; b. carry out DNA analysis; c. gather information about reproductive isolation;		2
4.	d		a. sexual selection / OWTTE; b. camouflage;		1
