

Practice test mark scheme Foundation

Q		Expected answers	Marks	Additional guidance
1	a	roots stem leaves	2	any 2 in order
	b	meristem	1	
	c	cells genes	2	
	d	stimulates root cell growth	1	
			6	
2	a	C	1	
	b	All cells get energy from respiration. All cells have a cell membrane.	1 1	
	c	Nucleus	1	
3	a	mitosis growth and repair two identical	meiosis making gametes four different	5 1 correct = 1 mark 2 correct = 2 marks 3 correct = 3 marks 4 or 5 correct = 4marks 6 correct = 5 marks
4	a i	C	1	
	a ii	CGC	1	
	a iii	GTC	1	
	b i	nucleus	1	
	b ii	cytoplasm	1	

TOTAL 20

Practice test mark scheme Higher

Q		Expected answers	Marks	Additional guidance		
1	a	mitosis growth and repair two identical	meiosis making gametes four different	4 1 or 2 correct = 1 mark 3 correct = 2 marks 4 correct = 3 marks 5 or 6 correct = 4 marks		
					4	
2		C B D A or E	1			
			1			
			1			
			1			
			4			
3	a	A joins to stem cell B joins to muscle C joins to pituitary gland D joins to salivary gland	1			
			1			
			1			
			1			
	b	All cells get energy from respiration. All cells have a cell membrane with proteins in the membrane.	1			
			1			
			6			
4	a	C and G pair A and T pair	2	all three correct = 2 1 or 2 correct = 1		
			b		4	1
	c i	CCGGCGAAT				1
						c ii
					6	

TOTAL 20