

Practice test mark scheme Foundation

Q	Expected answers	Marks	Additional guidance		
1	a A	1	all three correct 2 marks 1 or 2 correct: 1 mark		
	b door screen and metal case → reflects microwaves power setting → controls intensity timer → controls number of seconds	2			
	c i photons	1			
	ii vibrate more	1			
		5			
2	a i ● melt ● expand	1 1	effect (1) and explanation (1)		
	ii low lying land will be flooded / loss of habitat	1			
	b either: crops can no longer be grown (1) because climate is hotter (1) or: more storms / droughts (1) because extreme weather conditions more common (1)	1 1			
				5	
3	a ● absorbs ● ultraviolet ● damages ● absorbs	1 1 1 1			
				4	
	4	a i 163 145		1 1	both correct
		ii both points correctly plotted		1	
b carbon dioxide levels (from road transport have risen) AND more people are driving / more cars		1			
c more people are buying cars / people are buying more powerful cars/ people are driving more		1			
d base taxes on carbon emissions / encourage use of electrical cars / public transport	1	or other good suggestion that is not already being done			
		6			
Total		20			

Practice test mark scheme Higher

Q	Expected answers	Marks	Additional guidance
1	a glaciers will melt and flow into the sea sea will expand as temperature rises	1 1	effect (1) and explanation (1) Any three points
	b either: crops can no longer be grown (1) because climate is hotter (1) or: more storms / droughts (1) because extreme weather conditions more common (1)	1 1	
	c Different models show a correlation (1) models agree with observations (1) correlation does not prove cause (1) cause requires a mechanism/theoretical explanation (1)	3	
		7	
2	a i sunburn	1	
	ii using suncream	1	
	iii decreases risk	1	
	b i ● numbers increasing ● more people taking holidays abroad / more sunbeds in use	1 1	
	ii ● Rosie ● Jim	1 1	
		7	
3	a i 163 145	1 1	both correct
	ii both points correctly plotted	1	
	b carbon dioxide levels (from road transport have risen) AND more people driving more cars	1	
	c more people are buying cars / people are buying more-powerful cars	1	
	d base taxes on carbon emissions	1	
		6	
	Total	20	