

Practice test mark scheme Foundation

Q	Expected answers	Marks	Additional guidance
1	<p>a</p> <ul style="list-style-type: none"> ● argon (1); ● oxygen (1); ● nitrogen (1) <p>b</p> <ul style="list-style-type: none"> ● sulfur dioxide – increases ● carbon monoxide – increases ● carbon dioxide – increases 	3 1 1 1	
		6	
2	<p>a i 3</p> <p>b ii 6</p> <p>c</p> <ul style="list-style-type: none"> ● carbon dioxide molecule drawn ● two similar carbon dioxide molecules drawn 	1 1 2	Molecule must have C in middle and all atoms touching, but Os not touching each other.
		4	
3	<p>a it is an outlier</p> <p>b i 5.6 to 5.8</p> <p>ii $(28.5/5) (1) = 5.7 (1)$</p>	1 1 2	(1) for method (adding and dividing by 5), (1) for result. A bare 5.7 gets both marks.
		4	
4	<p>a both road traffic and asthma increased in the past 20 years</p> <p>b</p> <ul style="list-style-type: none"> (i) Anna (1); Barry (1) (ii) Anna (1) (iii) Chris (1) <p>c they could stay indoors/take medication when pollution is high</p>	1 2 1 1 1	or '(positive) correlation between traffic & asthma rates'
		6	
Total		20	

Practice test mark scheme Higher

Q	Expected answers	Marks	Additional guidance
1	a	2	Molecule must have O in middle and all atoms touching, but Hs not touching each other.
	b	2	
		4	
2	a	2	(1) for method (adding and dividing by 5), (1) for result. A bare 5.7 gets both marks. 32.7/6=5.4 or 5.5 gets (1)
	c	2	
		4	
3	a	1	No other choices allowed
	b	1	
	c	1	both needed for the mark
	d	3	allow either
		6	
4	a	2	
	b	2	
		6	
Total		20	