

Practice test mark scheme Foundation

Q	Expected answers	Marks	Additional guidance
1	<p><b>a</b></p> <ul style="list-style-type: none"> <li>● core – central area</li> <li>● crust – outer rim</li> <li>● mantle – outer area</li> </ul> <p><b>b i</b> labelling: folded layers in middle oldest layers at bottom AND youngest layers at top</p> <p><b>ii</b></p> <ul style="list-style-type: none"> <li>● folded layers</li> <li>● oldest / youngest layers</li> </ul>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	
		<b>7</b>	
2	<p><b>a i</b> 8.7</p> <p><b>ii</b> plate is moving northeast / tectonic plates as they move past each other</p> <p><b>iii</b> plate moving (at 5 cm per year)</p> <p><b>b</b> (government) seismologist; allow scientist who studies earthquakes</p> <p><b>c i</b></p> <ul style="list-style-type: none"> <li>● would cause a lot of damage</li> <li>● lot of people live there</li> </ul> <p><b>ii</b></p> <ul style="list-style-type: none"> <li>● inform people what to do when earthquakes happen</li> <li>● train emergency services</li> <li>● build stronger buildings.</li> <li>● practice earthquake drills in every workplace</li> <li>● build towns/cities further from the edge of the tectonic plate</li> </ul>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p>	<p>Either point</p> <p>Any two points</p>
		<b>7</b>	
3	<p><b>a</b> dust gases</p> <p><b>b</b> Jo (allow also Sam)</p> <p><b>c i</b> Sam will evaluate Jo's work</p> <p><b>ii</b> city – tallest bar, countryside – middle-sized bar, Hawaii – smallest bar</p>	<p>1</p> <p>1</p> <p>1</p> <p>2</p>	<p>All correct gets two marks, one correct gets one mark</p>
		<b>6</b>	
<b>Total</b>		<b>20</b>	

## Practice test mark scheme Higher

Q	Expected answers	Marks	Additional guidance
1	<p><b>a</b></p> <ul style="list-style-type: none"> <li>● folded layers – a large force has pushed the rocks</li> <li>● order of layers – we can compare the ages of the rocks</li> </ul> <p><b>b</b> this suggests that the Earth is about 4 billion years old</p>	1 1 1	
		<b>3</b>	
2	<p><b>a</b> Australian</p> <p><b>b</b> plate moving at 5 cm per year</p> <p><b>c</b> '(the denser oceanic crust)... is dragged down below the continental crust'</p> <p><b>d</b> strain accumulated a critical point was reached failure occurred / sudden release of strain driving the two plates past one another releasing energy in the form of an earthquake</p> <p><b>e</b></p> <ul style="list-style-type: none"> <li>● inform people what to do when earthquakes happen</li> <li>● train emergency services</li> <li>● build stronger buildings.</li> <li>● practice earthquake drills in every workplace</li> <li>● build towns/cities further from the edge of the tectonic plate</li> </ul>	1 1 1 3 2	any 3 points one mark each  Any two points
		<b>8</b>	
3	<p><b>a</b> earlier stars</p> <p><b>b</b> hydrogen → nuclei nuclei → fuse</p>	2 1 1	
		<b>4</b>	
4	<p><b>a i</b> the greater the speed, the further the galaxy is away</p> <p><b>a ii</b> space is expanding the Universe began with a big bang</p> <p><b>b</b> city – tallest bar, countryside – middle-sized bar, Hawaii – smallest bar</p>	1 1 1 2	All correct gets two marks, one correct gets one mark
		<b>5</b>	
<b>Total</b>		<b>20</b>	