

<ul style="list-style-type: none"><li>The <math>^{14}\text{C}</math> specific activity of a tooth found in an archaeological dig is 0.34 Bq. The <math>^{14}\text{C}</math> specific activity in living organisms is 15.3 Bq. How old is the tooth?</li></ul>	<b>Marks</b> <b>4</b>
<b>Answer:</b>	
<p>Give two reasons why the accuracy of radiocarbon dating is more uncertain for older objects.</p>	
<ul style="list-style-type: none"><li>Why are positron emitters the best type of radioisotope to use for tomography?</li></ul>	<b>2</b>