

SPECIES

- 1 The sweet potato, *Ipomoea batatas*, is a different species to the Irish potato, *Solanum tuberosum*.

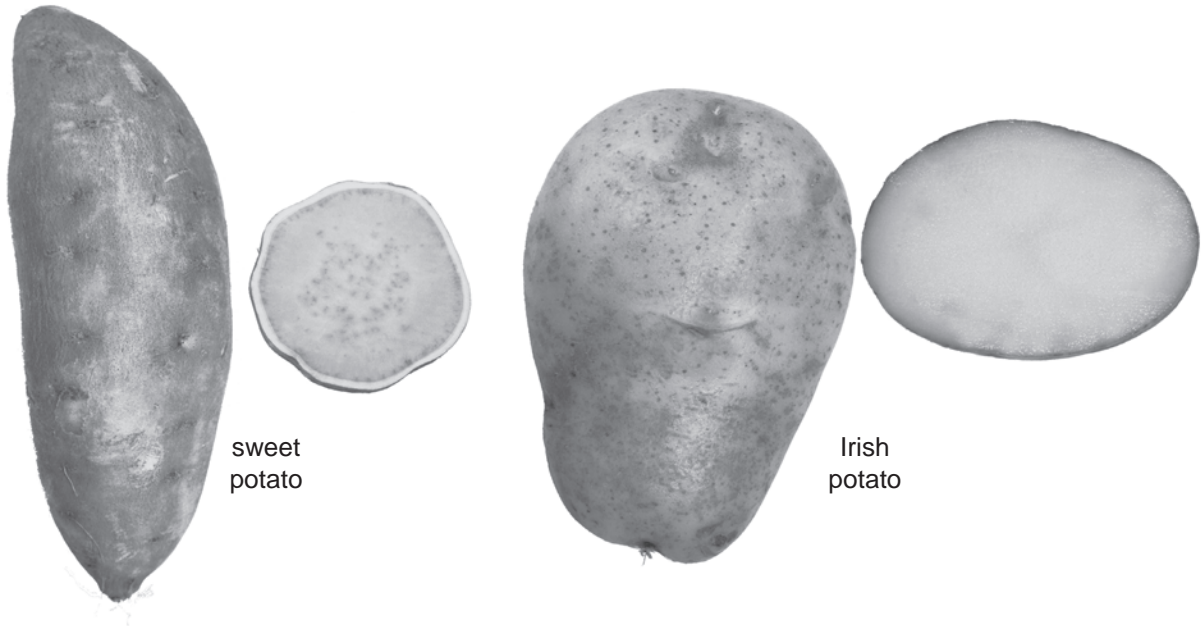


Fig. 2.1

- (a) (i) Describe **one** similarity, visible in Fig.2.1, between the two species of potato.

.....
..... [1]

- (ii) Complete Table 2.1 to show two differences, visible in Fig 2.1, between the two species of potato.

Table 2.1

	sweet potato	Irish potato
difference 1		
difference 2		

[2]

MARKING SCHEME:

(a) (i)	<p>One visible from; Skin / peel / outer wall / shell; outer layer darker than inside; side buds / spots / 'eyes' present; inner tissue – similar colour;</p>																										
(ii)	<table border="1"> <thead> <tr> <th>feature</th> <th>sweet potato</th> <th>irish potato</th> </tr> </thead> <tbody> <tr> <td>inner tissue</td> <td>spotted / speckled</td> <td>no spots, uniform;</td> </tr> <tr> <td>skin / peel / wall</td> <td>darker thicker</td> <td>lighter; thinner;</td> </tr> <tr> <td>shape of ends</td> <td>pointed / slanted (both ends)</td> <td>rounded (both ends) ;</td> </tr> <tr> <td>overall shape</td> <td>long / narrow</td> <td>short / round / more circular / oval;</td> </tr> <tr> <td>margin</td> <td>two layers visible not smooth / uneven</td> <td>one layer; smooth;</td> </tr> <tr> <td>section shape</td> <td>circular /rounded smaller</td> <td>oval; larger;</td> </tr> <tr> <td>stalk / root *</td> <td>absent</td> <td>present;</td> </tr> </tbody> </table>	feature	sweet potato	irish potato	inner tissue	spotted / speckled	no spots, uniform;	skin / peel / wall	darker thicker	lighter; thinner;	shape of ends	pointed / slanted (both ends)	rounded (both ends) ;	overall shape	long / narrow	short / round / more circular / oval;	margin	two layers visible not smooth / uneven	one layer; smooth;	section shape	circular /rounded smaller	oval; larger;	stalk / root *	absent	present;	<p>[1]</p> <p>[max 2]</p>	<p>I. differences in composition – starch / storage.</p> <p>Any two differences. Comments should match and accept one difference per printed row on the question paper. Both spaces on mark scheme for 2 differences can refer to the same feature e.g. skin or margin.</p> <p>Look for comparative terms ... '-er'.</p> <p>* scar or hairs at the base.</p>
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