

DNA

- 1 DNA can be extracted from the webs of spiders. This DNA can be used to identify the species of spider that made the web, and the species of prey caught in the web.

Explain how DNA extracted from spider webs can be used to identify different species.

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MARKING SCHEME:

<p><i>identification can be done using:</i> <u>base</u>, sequences / order / pattern, in DNA / genes ; each species, has unique / AW, DNA / genes ; <i>idea that</i> compare with, reference DNA / base sequences / genes, of known species ; <i>idea that</i> if a match with DNA from known species then DNA is from that species OR closely related species have fewer differences in their, base sequences / DNA / genes ; AVP ; e.g. any technique involved in DNA analysis</p>	<p>2</p>	
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The identification of the species can be done by identifying the base sequence in the DNA because each species has unique genes. Then the DNA obtained can be compared with the DNA from the known species. If the DNA;s math, this indicates that the species are closely related and have fewer differences in their base sequence.