

Threats to Biodiversity

16. Japanese knotweed (*Fallopia japonica*) was introduced to Britain as an ornamental plant. It grows to 3 metres in height and has large leaves. It has become naturalised and has colonised many parts of the country where it out-competes native plants.

(a) Give the term used for a naturalised species that eliminates native species. 1

(b) Name one resource for which Japanese knotweed may outcompete the native plants. 1

(c) Japanese knotweed has spread very rapidly in Britain. Suggest a reason for this. 1

(d) An insect from Japan, which feeds on Japanese knotweed, has been proposed as a biological control agent. Describe one possible risk of introducing this insect into Britain. 1

19. Which row in the table identifies how the bottleneck effect and habitat corridors may change genetic diversity of a population?

	<i>Change in genetic diversity</i>	
	<i>Bottleneck effect</i>	<i>Habitat corridors</i>
A	decrease	decrease
B	decrease	increase
C	increase	decrease
D	increase	increase

B Write notes on invasive species.

4