

(c) Chinese muntjac cells contain 23 pairs of chromosomes.

The photograph shows a Chinese muntjac.



(Source: © Design Pics Inc / Alamy Stock Photo)

The Chinese muntjac looks similar to the Indian muntjac. However, if they breed together, they produce offspring that are infertile.

Suggest why the offspring would be infertile.

(2)

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**(Total for Question 4 = 10 marks)**