(b) In 2008, there was only one Sehuencas water frog in captivity.

In 2018, five Sehuencas water frogs were discovered in a Bolivian mountain forest. Three of these frogs were male.

Scientists suggested that these five frogs were resistant to the fungal disease.

Explain how resistance to this fungus could develop in a population of Sehuencas water frogs.

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(c) One way of studying the genetic diversity within a species is to calculate the heterozygosity index.

Describe how the scientists could calculate the heterozygosity index for a population of Sehuencas water frogs.

(2)

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