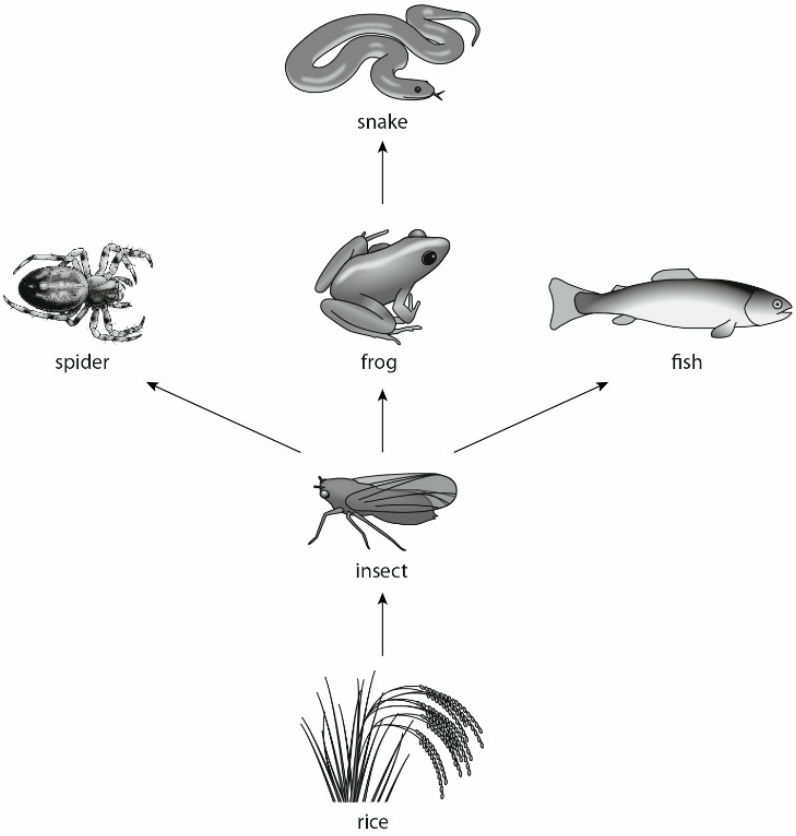
Name _____ Date _____

Disclaimer: This test and mark scheme have been written by the authors.

End-of-unit test

Unit 4

1 The diagram shows a food web in an Asian country.



a Name the producer in this food web. **[1]**

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b The food web was investigated at two sites that were close to each other.

At site A, mercury is used to extract metals at a nearby mine. There is no mine near site B.

The table shows the concentrations of mercury in some of the organisms in the food webs at each site.

organism	concentration of mercury in organism in parts per million	
	site A	site B
rice	0.2	0.0
insect	1.8	0.1
frog	6.0	0.3
snake	10.0	2.0

Describe how the concentrations of mercury in the organisms at site B are different from the concentrations at site A. **[2]**

c Look at the results for Site A.

Explain why the concentration of mercury in a snake is greater than the concentration of mercury in an insect. **[2]**

2 Which biological terms are described?

a The interactions between all the organisms and their environment. **[1]**

b A place where an organism lives. **[1]**

3 **a** Which **two** sentences describe reasons why invasive species can reduce the numbers of a native species?

Tick (✓) **two** boxes.

They compete with the native species for food. ☐

They can be eaten by the native species. ☐

They can be a predator of the native species. ☐

They provide new habitats for the native species. ☐

They help to pollinate the native species. ☐ **[2]**

b Explain why introduced species often cause harm in their new environment, but do not cause harm in their native country. **[1]**

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