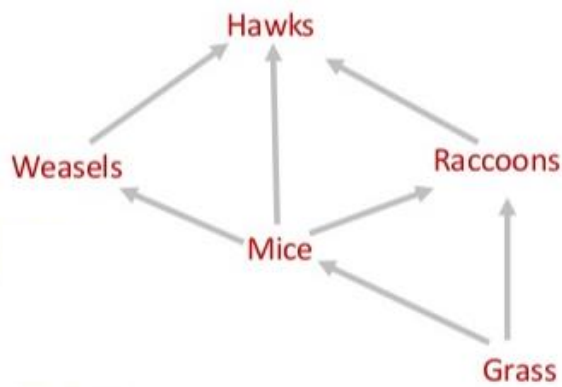


National 4 - Unit 3 revision questions

1. Look at the food web. Explain how weasels are dependent on grass.



2. Use the same diagram to draw **one** food chain which contains 4 organisms.
3. What do some animals depend on plants for in cold windy weather?
4. What do you call the process where bees and insects move pollen from one plant to another?
5. What is deforestation? How does it affect biodiversity (range of species in an area?)
6. Give 3 examples of natural disasters.
7. Plants get a source of nitrogen from nitrate from the soil and animals eat plants or other animals to get theirs. What do animals and plants need nitrogen to make?
8. Why are fertilisers added to soil?
9. Fertilisers can wash off fields and build up in fresh water. What can this cause?
10. What can happen to the organisms living below the water? What effect does this have on the range of organisms in the water?
11. Describe how the beaks of a bird that eats fish and a bird that eats seeds would differ.
12. Calculating an average:

<u>Day</u>	<u>Peak flow (ml)</u>
Monday	300
Tuesday	400
Wednesday	450
Thursday	290
Friday	310

Calculate the average peak flow for the week.

13. Calculating a ratio:

<u>Sample day</u>	<u>Number of beetles found</u>
Monday	3
Tuesday	10
Wednesday	9

Thursday	5
Friday	6

Calculate the simple whole number ratio of beetles on Tuesday to Thursday.

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Tuesday : Thursday