**Task 10:**

**You will get a mark if you give the correct definitions for producer and consumer, one for the correct definitions of herbivore, carnivore and omnivore and the last mark for correct definitions of predator and prey.**

**Task 8:**

**This is an exam question. Read through the text to find out what the food chain is, then draw a pyramid of biomass. Your pyramid of biomass should be in the correct order, to scale (you will have to guess the biomass at each level), labelled and coloured in.**

**Task 3:**

**Design a table with as few headings as you can to show the names of all the organisms in the food web and the different categories given.**

**Task 2:**

**You need to write 1 sentence stating the ultimate source of energy.**

**Task 1:**

**You must write out all the individual food chains that are contained within this food web.**

**Task 9:**

**Imagine you were producing a YouTube video to explain to students of your age what the difference between a pyramid of numbers and pyramid of biomass is, and why one may be better than the other. Use A3 paper and coloured pens to draw at least 9 frames for your video and write a script that would go with it.**

**Task 7:**

**Your song or rap should explain what happens to any energy that is ‘lost’ along a food chain. You should be prepared to perform it to the rest of the class.**

**Task 6:**

**Your pyramid of biomass should be in the correct order, to scale) labelled and coloured in. (You will have to guess the biomass at each level**

**Task 5:**

**Your story should be scientifically correct but fun to read (no more than 1 page long). It should describe what eats what in the given food web from the perspective of one of the organisms.**

**Task 4:**

**Your article should be clear and concise (no more than 1 page long) it should explain how the practices involved in intensive farming help to produce larger animals more quickly for sale.**

**Your task**

**Work in pairs. You will be given 25 minutes to choose and complete any 5 of the tasks on the sheet. It is totally up to you to decide which activities to do, but note, they are all worth different points. The aim of this exercise is to be the group with the most points at the end. Remember, you have to get the task correct to get all of the points on offer. Success criteria for each task are given below:**

**10. Write definitions for the following terms: producer, consumer, carnivore, omnivore, herbivore, predator and prey**

**(3 marks)**

**8. A gardener pulled up weeds and used them to start a compost heap. The compost heap soon became colonised by large numbers of earthworms and slugs. The gardener then noticed a hedgehog rooting through the compost heap, eating the earthworms and slugs. Every so often the hedgehog stopped to scratch itself. This was because it had large numbers of fleas which fed by sucking the hedgehog’s blood.**

**Use only information from the passage to construct and label a pyramid of biomass for your food chain.**

**(5 marks)**

**5. Write a story from the perspective of one of the organisms about a day in the life of this food chain.**

**(4 marks)**

**7. Write a song or rap to explain why all the energy from the sun is not transferred throughout the food chains**

**(5 marks)**

**3. Design a simple table to show all the producers, herbivores, omnivores, carnivores, predators and prey you can see in this food web.**

**(3 marks)**

**1. How many food chains can you see in this food web?**

**(2 marks)**

**2. What is the ultimate source of energy? Why?**

**(2 marks)**

**4. Write an article for the magazine *FARMING TODAY* to explain why intensive farming is so much more efficient than free range farming**

**(6 marks)**

**6. Draw a pyramid of biomass for any food chain that includes a predaceous insect**

**(4 marks)**

**9. Draw a story board, complete with script for a YouTube video explaining the difference between pyramid of biomass and pyramid of number and explaining which one is better and why.**

**(6 marks)**

