**Unit 4 Biological Sciences – S4 Task Card**

Part One: Definition List

Using the videos, you need to write down your own definitions for each of these terms. Provide at least **one example** for each

* 1. Producer
	2. Primary Consumer
	3. Secondary Consumer
	4. Ecosystem
	5. Herbivore
	6. Carnivore
	7. Omnivore
	8. Trophic levels
	9. Decomposers

Part Two:

**Use your definition for Biodiversity to explain what this statement means**

*If there was no biodiversity, all organisms would have exactly the same requirements to survive. Why would this cause problems in ecosystems?*

Your answer must include your definition of **biodiversity** and **habitat**, and be at least **ONE TEEL PARAGRAPH.**

You must also us an ecosystem as an example, such as the ocean or rainforest, in your response.

Part Three: Food Chain and Trophic Pyramid

Choose a food chain or web from an ecosystem. Draw out your food chain using an app on your iPad, or on paper, and explain each organism using your definitions. It should include pictures of the organisms, and arrows showing who eats who.

Create a trophic pyramid as another way of showing your food chain. Use the videos if you need help understanding this.

Using both your food chain, and trophic pyramid, predict what would happen if one of the organisms suddenly disappeared from the ecosystem. What would be the consequence for the ecosystem? **Include evidence and detailed explanations.**