**Unit 4 Biological Sciences – S3 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. Biodiversity
  2. Producer
  3. Consumer
  4. Consumer
  5. Ecosystem
  6. Herbivore
  7. Carnivore
  8. Omnivore
  9. Trophic levels
  10. 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 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

Draw out your food chain in your book, or create it with an App of your choice. It should include pictures of the organisms, and arrows showing who eats who.  (You must make your own food chain using images you have found, do not copy one from the internet!)

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 there be more of? What would there be less of?