**Year 7 Environment**

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| 1. I can describe what an ecosystem is and can explain the difference between a habitat and a community
 |  | ☺ | 😐 | ☹ |
| 1. I can give examples of different habitats and list the factors that make them different
 |  | ☺ | 😐 | ☹ |
| 1. I can give examples of animals or plants that are adapted to their habitat and can explain how their adaptations make them suited for their habitat
 |  | ☺ | 😐 | ☹ |
| 1. I can draw and label a cross-section of a leaf and explain how a leaf is adapted for photosynthesis
 |  | ☺ | 😐 | ☹ |
| 1. I can list at least 2 methods that scientists use to collect samples of creatures to study and can describe how each method works
 |  | ☺ | 😐 | ☹ |
| 1. I can interpret a food chain and a food web and can describe how it shows the links between predators and prey
 |  | ☺ | 😐 | ☹ |
| 1. I can draw a food chain and a food web from a list of data
 |  | ☺ | 😐 | ☹ |
| 1. I can describe what a pyramid of numbers shows and can use it to explain the relationships in a food chain
 |  | ☺ | 😐 | ☹ |
| 1. I can describe what a pyramid of biomass is and can use it to explain energy transfers in a food chain
 |  | ☺ | 😐 | ☹ |
| 1. I can describe how populations in an ecosystem are dependent on each other
 |  | ☺ | 😐 | ☹ |
| 1. I can explain how the sizes of populations vary depending on their predator-prey relationships
 |  | ☺ | 😐 | ☹ |
| 1. I can explain how changes to an ecosystem can affect populations e.g. pollution, deforestation, building
 |  | ☺ | 😐 | ☹ |
| 1. I can describe the difference between pesticides and biological control methods and can explain why they are used
 |  | ☺ | 😐 | ☹ |

I understand (and can spell) the keywords listed below and can use them in 1-13 above.

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| **Keywords** |
| kingdoms, bacteria, protists, animals, plants, fungi, organism, key,vertebrates, backbone, birds, fish, mammals, amphibians, reptiles, invertebrates, no backbone, spiders, insects, slugs, worms, micro-organisms, characteristics, warm blooded, cold blooded,deciduous, evergreen, non-flowering plants, ferns, mosses, habitat, adapt, predator, camouflage, prey, carnivore, herbivore, omnivore, food chain, environment, population, pests, pesticides |
| adaptation, temperature, light, water, air, soil, hibernate, nocturnal, water loss, waxy layer, large thin surface area, pores, chloroplasts, photosynthesis, water transport, evaporation, sampling quadrat, choice chamber, reproducible, level of confidence, producer, primary consumer, secondary consumer, trophic levels, food web, ecosystem, niche, energy transfer, light energy, chemical energy, pyramid of numbers, pollution, deforestation, building houses, hunting, biological control |
| abiotic factors, biodiversity, species, transpiration, palisade cells, chlorophyll, stomata, spongy cells, interdependence, weather, conservation, competition, pyramid of biomass, toxic |