

Knowledge Organiser Questions

KQ.1. Name the place where an organism lives	Habitat
KQ.2. Name the different organisms in a habitat	Community
KQ.3. What term means all the organisms and the habitat in which they live?	Ecosystem
KQ.4. What term means organisms in ecosystem depending on each other for food?	Interdependence
KQ.5. What term is given to the first organism in a food chain?	Producer
KQ.6. What term means an organism that eats another organism for food?	Consumer
KQ.7. Producers are able to make their own food using this chemical reaction.	Photosynthesis
KQ.8. $\text{Glucose} + \text{Oxygen} \rightarrow \text{Carbon dioxide} + \text{Water}$ is the word equation for which process?	Respiration
KQ.9. $\text{Carbon dioxide} + \text{Water} \rightarrow \text{Glucose} + \text{Oxygen}$ is the word equation for which process?	Photosynthesis
KQ.10. Which part of the plant cell conducts photosynthesis?	Chloroplast
KQ.11. Which part of a plant or animal cell performs respiration?	Mitochondria
KQ.12. What two types of organism can a producer be?	Green plants and algae
KQ.13. What do we call the second organism in any food chain?	Consumer (or primary consumer)
KQ.14. What is the name for any organism that eats only plants?	Herbivore
KQ.15. What is the name for any organism that eats only animals?	Carnivore
KQ.16. What is the name for any organism that eats both plants and animals?	Omnivore
KQ.17. What is the name of an organism that hunts other animals to eat?	Predator
KQ.18. What is the name of an organism that gets hunted by other animals to be eaten?	Prey
KQ.19. What do the arrows in a food chain show?	Flow of energy
KQ.20. In a pyramid of numbers or biomass, which organism is always on the bottom?	Producer (green plant or algae)
KQ.21. What sort of pyramid might this show? 	Pyramid of numbers
KQ.22. What sort of pyramid shows the total mass of each organism at each level and always looks like this? 	Pyramid of biomass
KQ.23. What method of estimating the population of an organism involves counting the numbers in small squares first?	Quadrats
KQ.24. What do we call the microorganisms that break down dead matter?	Decomposers

KQ.25. Is weight or mass, a force measured in Newtons?	Weight
KQ.26. Is weight or mass a measure of how much matter is in something, measured in kg?	Mass
KQ.27. What do we call the measurement of how available food is for individuals?	Food security
KQ.28. What do we call insects and animals that carry pollen from plant to plant?	Pollinators
KQ.29. Name another technique that plants use to get pollen from one plant to another, other than using insects and animals?	Use the wind
KQ.30. What are the three Rs we use to try to reduce the volume of waste we produce?	Reduce, Reuse, Recycle
KQ.31. The technique of burying rubbish in large holes?	Landfill
KQ.32. Name one greenhouse gas?	Carbon dioxide, methane, water vapour
KQ.33. What is sewage a combination of?	Waste water and excrement
KQ.34. What are the 7 life processes that all living things do?	Movement, Respiration, Sensitivity, Growth, Reproduction, Excretion, Nutrition
KQ.35. Farming, building and dumping waste all impact the amount of this available?	Land
KQ.36. What do we call the large-scale destruction of forests?	Deforestation
KQ.37. What are the three types of pollution humans cause?	Land, water and air pollution
KQ.38. What are the two main contributors to land pollution?	Landfill and toxic chemicals.
KQ.39. What word means burning using oxygen?	Combustion
KQ.40. What two groups of organisms can be decomposers?	Bacteria and fungi
KQ.41. An increase in the average temperature of the Earth is called?	Global warming
KQ.42. What four things do plants compete for?	Light, space, water, minerals
KQ.43. What three things do animals compete for?	Food, territory (or space), mates
KQ.44. What is the name of the theory where species adapting to suit an ecosystem over many generations?	Evolution (by natural selection)
KQ.45. What adaptation is an eagle having strong wings an example of?	Structural adaptation
KQ.46. What adaptation is sheep moving in herds an example of?	Behavioural adaptation
KQ.47. What adaptation is a whale's heart slowing an example of?	Functional adaptation
KQ.48. Oxygen + fuel → ?	Carbon dioxide + water
KQ.49. Oxygen + glucose → ?	Carbon dioxide + water
KQ.50. Carbon dioxide + water →	Oxygen + glucose