

Year 7 Autumn Assessment – Knowledge Questions

1. What **two** things does a plant need for photosynthesis to happen? (Hint: a gas and a liquid!)

Oxygen & Water

2. Which **chemical** pigment does a plant need to help it photosynthesise?

Chlorophyll

3. What is the name given to the particular **role** an organism has in an ecosystem?

Niche

4. How is a plant leaf adapted to absorb more light?

Large surface area

5. In a food chain, where would you find a **producer**?

At the bottom or start

6. Which **mineral** is important for plant growth?

Nitrogen

7. What is the name given to a species that has been introduced to a new environment?

Invasive species

8. What is the name given to the **pores** on leaves that allow gases in and out?

stomata

9. What is the name given to the artificial **chemicals** added to soil to replenish lost minerals?

fertilisers

10. What word describes the build-up of **toxic** chemicals through individuals in a food chain?

bioaccumulation

11. What is the **collective** name used to describe all the organisms in an ecosystem?

community

12. What is the name given to the area **where** organisms live in, within an ecosystem?

habitat

13. What diagram shows the transfer of **energy** between organisms?

food chain (or web)