

Plant disease recall questions

1. Stunted growth, spots on leaves, area of decay, (abnormal) growths, malformed stems and leaves, discolouration and presence of pests
2. Reference to a gardening manual and website, taking infected plants to a laboratory to identify the pathogen, using testing kits that contain monoclonal antibodies.
3. Range of viral, bacterial and fungal pathogens
4. Insects
5. Aphids
6. Tobacco Mosaic virus and black spot (fungal)
7. Nitrate and magnesium
8. Nitrate; make protein therefore growth, Magnesium: Make chlorophyll for photosynthesis
9. Stunted growth by nitrate deficiency and chlorosis caused by magnesium deficiency
10. Cellulose cell wall, tough waxy cuticles on leaves, layers of dead cells around stem (bark on trees) which fall off
11. Antibacterial chemicals and poisons to deter herbivores
12. Thorns and hairs deter animals, leaves which droop or curl when touched, mimicry to trick animals.

Plant disease application questions

1. A plant has spots on leaves. Explain what this might mean and how you could confirm that this is true.