

1. Answer the following questions on essential elements and fertilisers.
- a) In areas of natural vegetation, decay of ..... and ..... remains return all essential elements to the soil. (2)
  - b) Harvesting of crops ..... the return of essential elements to soil. (1)
  - c) ..... are added to soil to restore levels of essential elements. (1)
  - d) Natural fertilisers include:  
..... , ..... and ..... . (3)
  - e) ..... fertilisers are made by the chemical industry and are compounds with chemical names including:  
..... , ..... and ..... . (3)
  - f) To work effectively, fertilisers must be ..... in water. (1)
  - g) Nitrate-based fertilisers can be a problem if .....  
..... . (1)
  - h) Too much nitrate fertilisers can leave water ..... . (1)
2. Plants with special root nodules convert ..... from air into nitrate compounds. (1)

total  
15