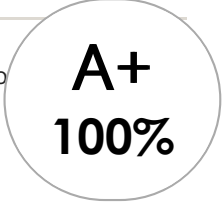


## 22 Multiple choice questions



**A+**  
**100%**

1. a highly reactive atom or a molecule which possesses one unpaired electron
  - a. landfill
  - b. **CORRECT: radical**
  - c. tailings
  - d. DDT
  
2. the trapping of the sun's warmth in a planet's lower atmosphere, due to the greater transparency of the atmosphere to visible radiation from the sun than to infrared radiation emitted from the planet's surface
  - a. sewerage
  - b. **CORRECT: greenhouse effect**
  - c. enhanced greenhouse effect
  - d. fossil fuel
  
3. a depression that has been carefully designed and built to put wastes into, or an old mine site that has the appropriate geology
  - a. leaching
  - b. **CORRECT: landfill**
  - c. tailings
  - d. radical
  
4. the vertical movement of minerals within the soil due to dissolving out of soluble materials by percolation of water
  - a. landfill
  - b. **CORRECT: leaching**
  - c. tailings
  - d. radical
  
5. the hardened soil crust formed in semiarid climates by leaching and deposition of minerals in deeper layers followed by the erosion of surface soil to expose the hardened surface
  - a. pesticide
  - b. DDT
  - c. **CORRECT: duricrust**
  - d. radical

6. the deliberate introduction of organisms such as insects or diseases to control the numbers of a pest
  - a. bioaccumulation
  - b. pollution trap
  - c. fossil fuel
  - d. **CORRECT: biological control**
  
7. ancient drainage systems
  - a. **CORRECT: paleodrainage**
  - b. fallow time
  - c. leaching
  - d. sewerage
  
8. once living things converted by heat and pressure over long periods of time to coal, oil or natural gas; releases energy and carbon dioxide when burnt
  - a. **CORRECT: fossil fuel**
  - b. tailwater
  - c. pesticide
  - d. sewerage
  
9. the supply of water whereby it is released in a controlled manner as drips at the base of a plant
  - a. duricrust
  - b. **CORRECT: drip irrigation**
  - c. irrigation
  - d. bioaccumulation
  
10. the excess water from irrigation that has passed through the soil and is contaminated with nutrients or pollutants such as pesticides
  - a. fallow time
  - b. radical
  - c. tailings
  - d. **CORRECT: tailwater**

11. the supply of water from dams or rivers to farms for agricultural use
  - a. tailwater
  - b. radical
  - c. **CORRECT: irrigation**
  - d. drip irrigation
  
12. the gradual accumulation of toxic materials by organisms along a food chain; also known as biomagnification
  - a. drip irrigation
  - b. fallow time
  - c. **CORRECT: bioaccumulation**
  - d. irrigation
  
13. the discharge of liquid wastes from medical, domestic and sanitary appliances
  - a. **CORRECT: sewerage**
  - b. radical
  - c. leaching
  - d. tailwater
  
14. the purposeful manipulation of genetic material to alter the characteristics of an organism
  - a. leaching
  - b. **CORRECT: genetic engineering**
  - c. pesticide
  - d. tailings
  
15. the time between harvesting one crop and sowing the next
  - a. paleodrainage
  - b. tailwater
  - c. fossil fuel
  - d. **CORRECT: fallow time**
  
16. dichloro-diphenyl-trichloroethane; a non-biodegradable insecticide that is now banned
  - a. duricrust
  - b. landfill
  - c. radical
  - d. **CORRECT: DDT**

17. an artificial input of fresh water into a river system to maintain riverine habitats
- a. fossil fuel
  - b. bioaccumulation
  - c. irrigation
  - d. **CORRECT: environmental flow**
18. a chemical substance for destroying unwanted plants and animals e.g. insecticides, weedkillers and fungicides
- a. radical
  - b. sewerage
  - c. leaching
  - d. **CORRECT: pesticide**
19. a filter-like device that sorts out larger particles such as rubbish from a liquid such as stormwater
- a. **CORRECT: pollution trap**
  - b. fossil fuel
  - c. fallow time
  - d. tailings
20. wastes liable to decay and become putrid
- a. duricrust
  - b. tailwater
  - c. pesticide
  - d. **CORRECT: putrescible waste**
21. sediments left over after mining
- a. radical
  - b. tailwater
  - c. **CORRECT: tailings**
  - d. leaching

22. the abnormal warming of the atmosphere by the greenhouse effect caused by increasing concentrations of carbon dioxide being added to the atmosphere by human activity
- a. genetic engineering
  - b. environmental flow
  - c. **CORRECT:** enhanced greenhouse effect
  - d. greenhouse effect