

## 14 Multiple choice questions



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

1. any techniques that uses living organisms to make products
  - a. embryos
  - b. gene therapy
  - c. **CORRECT: biotechnology**
  - d. Bt cotton
  
2. technology which brings about reproduction or increases the breeding success of the individuals
  - a. **CORRECT: reproductive technology**
  - b. reproductive cloning
  - c. biotechnology
  - d. selective breeding
  
3. the transfer of genes to other species or the technology for creating organisms with genes from other species
  - a. embryos
  - b. hybrid
  - c. **CORRECT: transgenic**
  - d. Bt cotton
  
4. the developing young of an animal or plant
  - a. Bt cotton
  - b. **CORRECT: embryos**
  - c. hybrid
  - d. transgenic
  
5. a method used to breed chosen pairs of organisms in order to produce offspring with particular desirable characteristics
  - a. cross-breeding
  - b. **CORRECT: selective breeding**
  - c. genetic engineering
  - d. reproductive cloning

6. breeding two genetically different individuals to produce offspring
  - a. hybrid
  - b. **CORRECT: cross-breeding**
  - c. selective breeding
  - d. transgenic
  
7. the offspring from the cross-breeding of two distinct races, breeds, varieties, species or genera
  - a. embryos
  - b. Bt cotton
  - c. hybrid vigour
  - d. **CORRECT: hybrid**
  
8. use of genetic engineering in the treatment of a genetic disorder or chronic disease
  - a. **CORRECT: gene therapy**
  - b. biotechnology
  - c. embryos
  - d. Bt cotton
  
9. a cotton crop that has been genetically modified using bacterial genes so that it contains its own pesticide
  - a. embryos
  - b. **CORRECT: Bt cotton**
  - c. transgenic
  - d. biotechnology
  
10. using cells from an individual to produce a cloned early embryo, which is then used as a source of embryonic stem cells
  - a. selective breeding
  - b. genetic engineering
  - c. **CORRECT: therapeutic cloning**
  - d. reproductive cloning

11. superior qualities such as health, yield, and fertility, arising from the cross-breeding of genetically different plants or animals
  - a. Bt cotton
  - b. embryos
  - c. **CORRECT: hybrid vigour**
  - d. hybrid
  
12. remove or add a desired gene from the DNA of an organism, using enzymes
  - a. **CORRECT: genetically modify**
  - b. gene therapy
  - c. selective breeding
  - d. genetic engineering
  
13. creating a genetically identical, fully developed whole organism, using the nucleus of a cell from another mature organism
  - a. reproductive technology
  - b. **CORRECT: reproductive cloning**
  - c. therapeutic cloning
  - d. selective breeding
  
14. genetic modification of living organisms by a series of procedures including cutting a desired gene out of donor DNA using enzymes, cloning it in a micro-organism and transferring it to an organism
  - a. genetically modify
  - b. gene therapy
  - c. selective breeding
  - d. **CORRECT: genetic engineering**