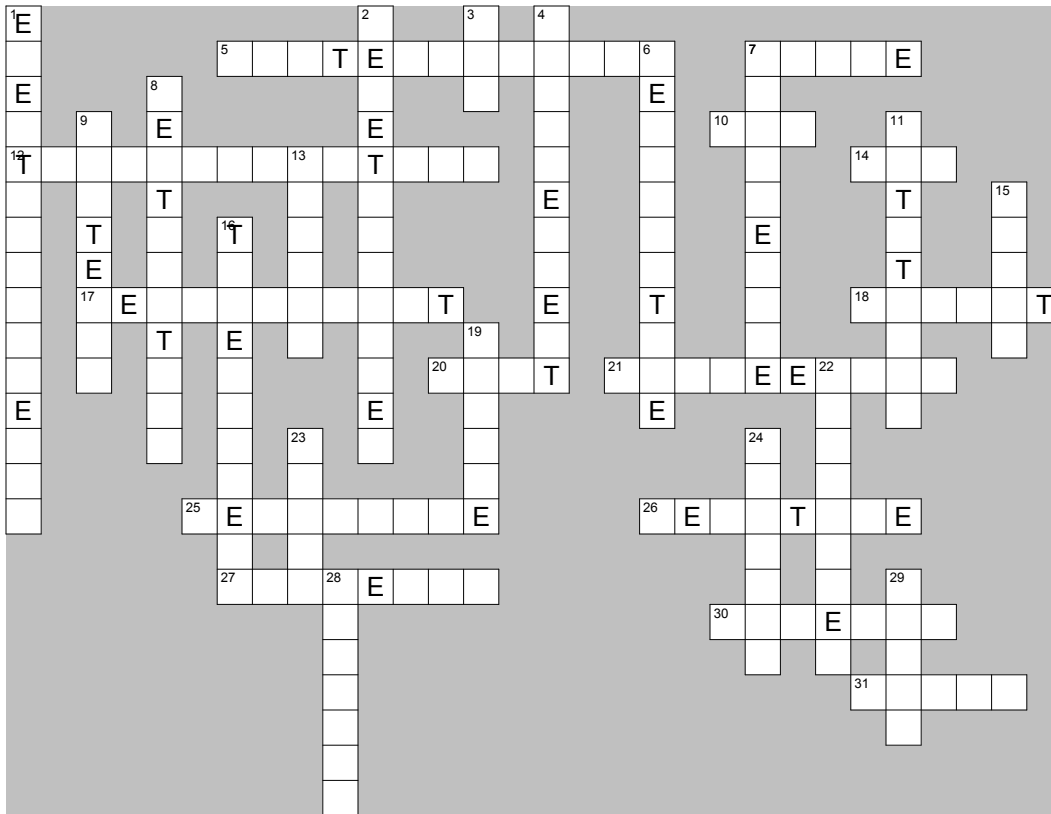


Biology - Chapter 13



Across

5. Genetic engineering has spurred the growth of ????
7. These fragments of DNA move very slowly through the gel.
10. These are the initials for the polymerase chain reaction
12. During this process a cell takes in DNA from outside the cell
14. bulldogs have this kind of nose.
17. This is the term used for DNA produced by combining DNA from different sources
18. This is the name of the man who first cloned a sheep
20. The animal at the front of the chapter is part sheep and part ????
21. This is the continued breeding of individuals with similar characteristics
25. Transgenic bacteria are used because they are easy to grow and ????
26. This part of the power supply is closest to the DNA in the gel
27. In the year 2000 52% of the ???? grown in the U.S. were transgenic
30. This transgenic tobacco plant glowed in the dark because of a gene from a ????
31. This is the name of the first mammal cloned from an adult cell

Down

1. This process uses gel and electricity to separate fragments of DNA
2. This is a gene that makes it possible to distinguish bacteria that carry the plasmid from those that don't
3. Mutations are inheritable changes in ????
4. This type of dye is used in reading the DNA sequences
6. The polymerase enzyme that could stand repeated cycles of heating and cooling was found in this National Park
7. This is the enzyme that allows the firefly to glow
8. These enzymes "cut" the DNA into fragments
9. Human insulin is produced by human genes inserted into ????
11. Breeders can increase genetic variation by inducing ????
13. This is the name of the American inventor of PCR
15. This Greek word means "many"
16. The bacterium *Agrobacterium* ???? can be used to introduce foreign DNA into plant cells
19. This is the name of Dolly's first offspring
22. This was one example of a polyploid plant mentioned in the book.
23. poodles have this kind of fur
24. This is a small, circular DNA molecule
28. This American botanist was a great selective breeder
29. This Greek word means "fold"

In what country was Dolly cloned?