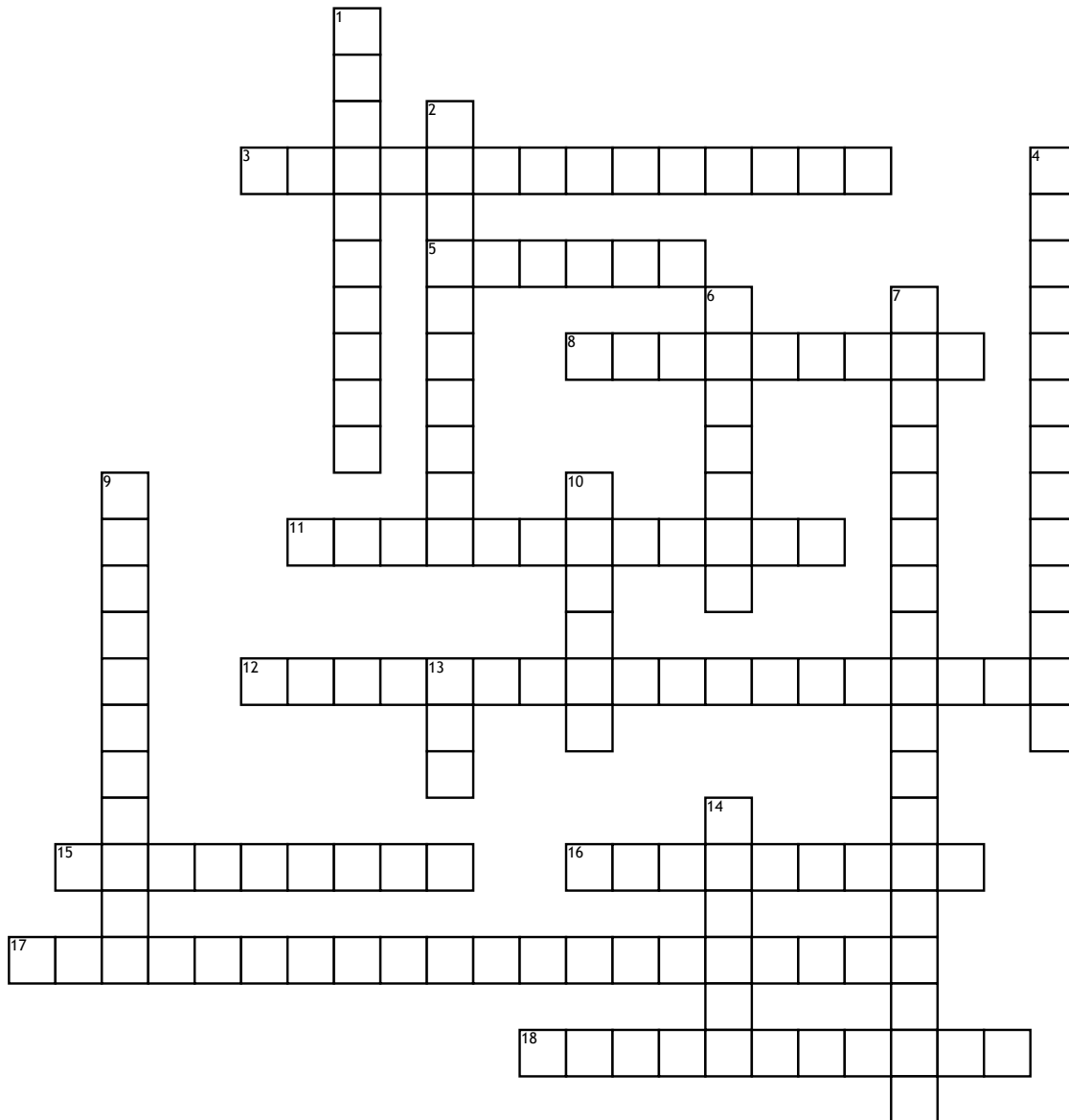


DNA Tools & Biotechnology



Across

3. DNA from multiple sources or species
 5. Enzyme used to seal nucleotides together
 8. Standard used when performing Gel Electrophoresis
 11. First step of PCR
 12. The process of manipulating a gene or genome
 15. What process is responsible for allowing plasmids to be taken up by bacteria?
 16. Third step of PCR

17. What kind of gene is inserted into a plasmid in order to differentiate transformed cells in growth medium?

18. Type of enzymes used to cut through double-stranded DNA

Down

1. Overhangs created by some restriction enzymes
 2. PCR is used to do what?
 4. Manipulating organisms or their components for purpose of making useful products

6. Circular piece of DNA found in bacteria

7. Method used to separate DNA or Proteins

9. Embryonic stem cells are described as being _____

10. What is added during the second step of PCR?

13. Polymerase used in third step of PCR

14. In the process of transformation, a plasmid is used as a _____