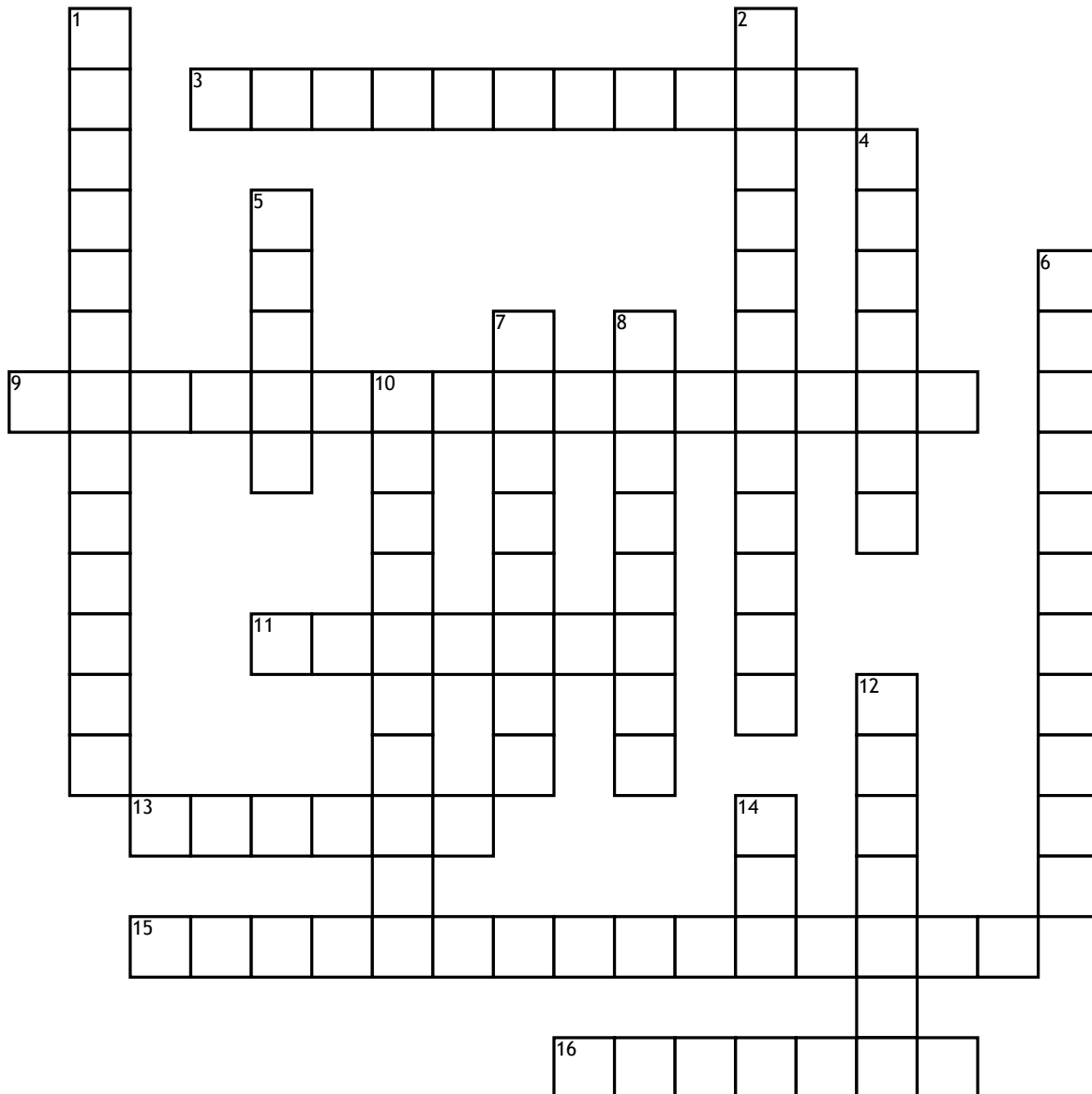


DNA to Proteins



Across

3. primary physical shape of double-stranded DNA molecules
9. production of a protein molecule through DNA transcription and translation
11. purine base that pairs with thymine in DDNA and uracil in RNA
13. pyrimidine base that pairs with adenine and is found only in RNA
15. process through which a cell develops and specializes to perform a certain function

16. proteins that can change the rates of specific reactions

Down

1. process in which a strand of DNA is copied into an RNA strand for protein synthesis
2. functions as the fundamental unit of the genetic code
4. pyrimidine base that pairs with adenine and is found only in DNA
5. segments of DNA that code for protein or functional RNA

6. nucleotide polymer capable of storing and transferring genetic information

7. pyrimidine base that pairs with guanine
8. undifferentiated cell that gives rise to specialized cells
10. the monomer of nucleic acid
12. purine base that pairs with cytosine
14. carrier of genetic information present in nearly all organisms