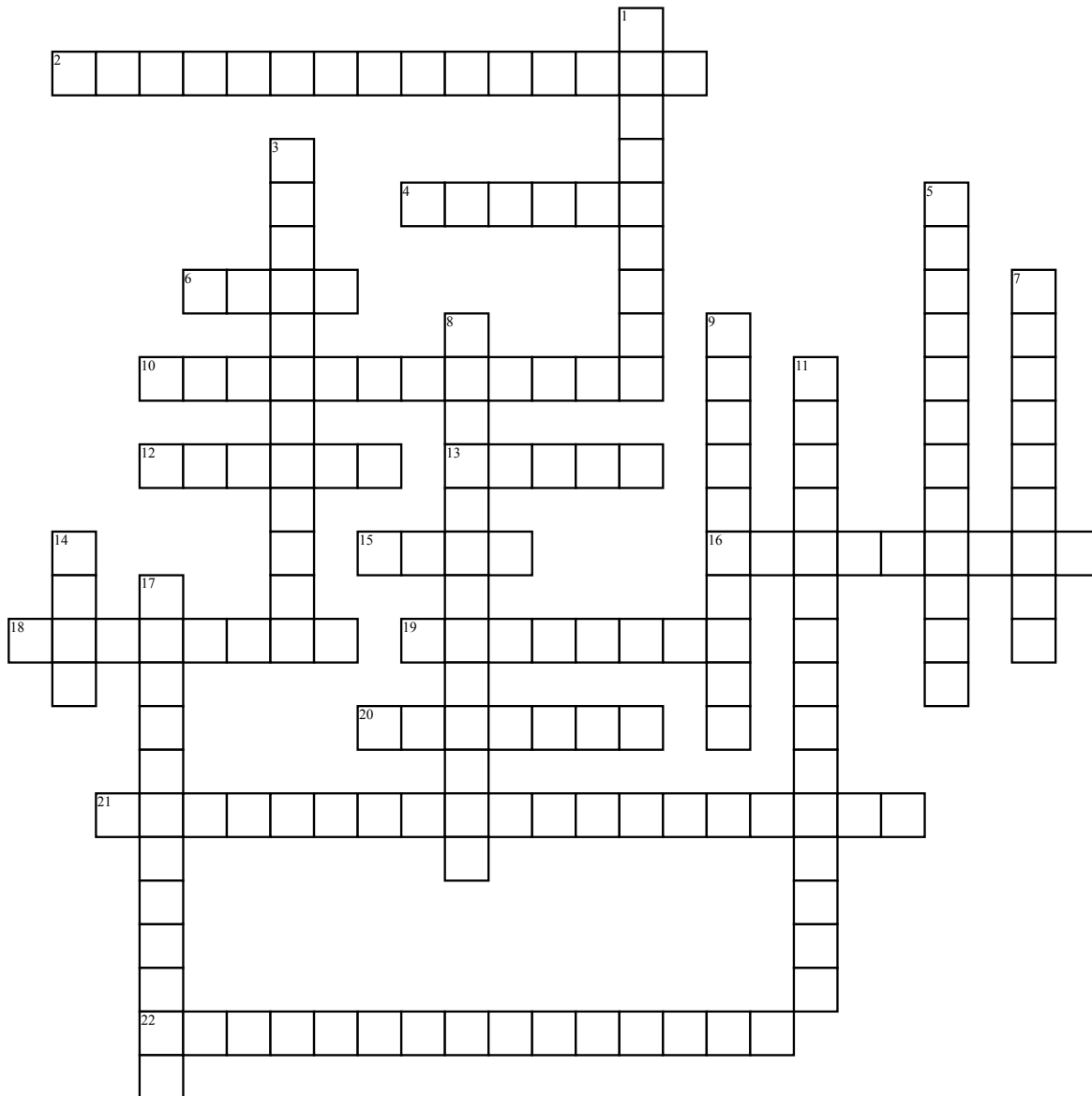


Chap 15 Vocab



Across

- 2.** shortest route
4. if removed, the graph is disconnected
6. any two vertices are connected by one path
10. graph is not connected
12. number of edges emanating from a vertex
13. consists of finite set of points
15. sequence of adjacent vertices and edges connecting them
16. path passes through each edge exactly once

18. graph that has an edge connecting every pair of vertices

19. have at least one edge connecting them

20. begins and ends at the same vertex

21. smallest possible sum of weights

22. same vertices connected in the same way

Down

1. any two vertices, there is at least one path that connects them

3. circuit that passes through each edge exactly once

5. passes through vertex exactly once

7. odd numbers coming from a vertex

8. edges labeled with quantity of interest

9. even number coming from a vertex

11. begins and ends at the same vertex

14. an edge begins and ends at the same vertex

17. any removal of edges