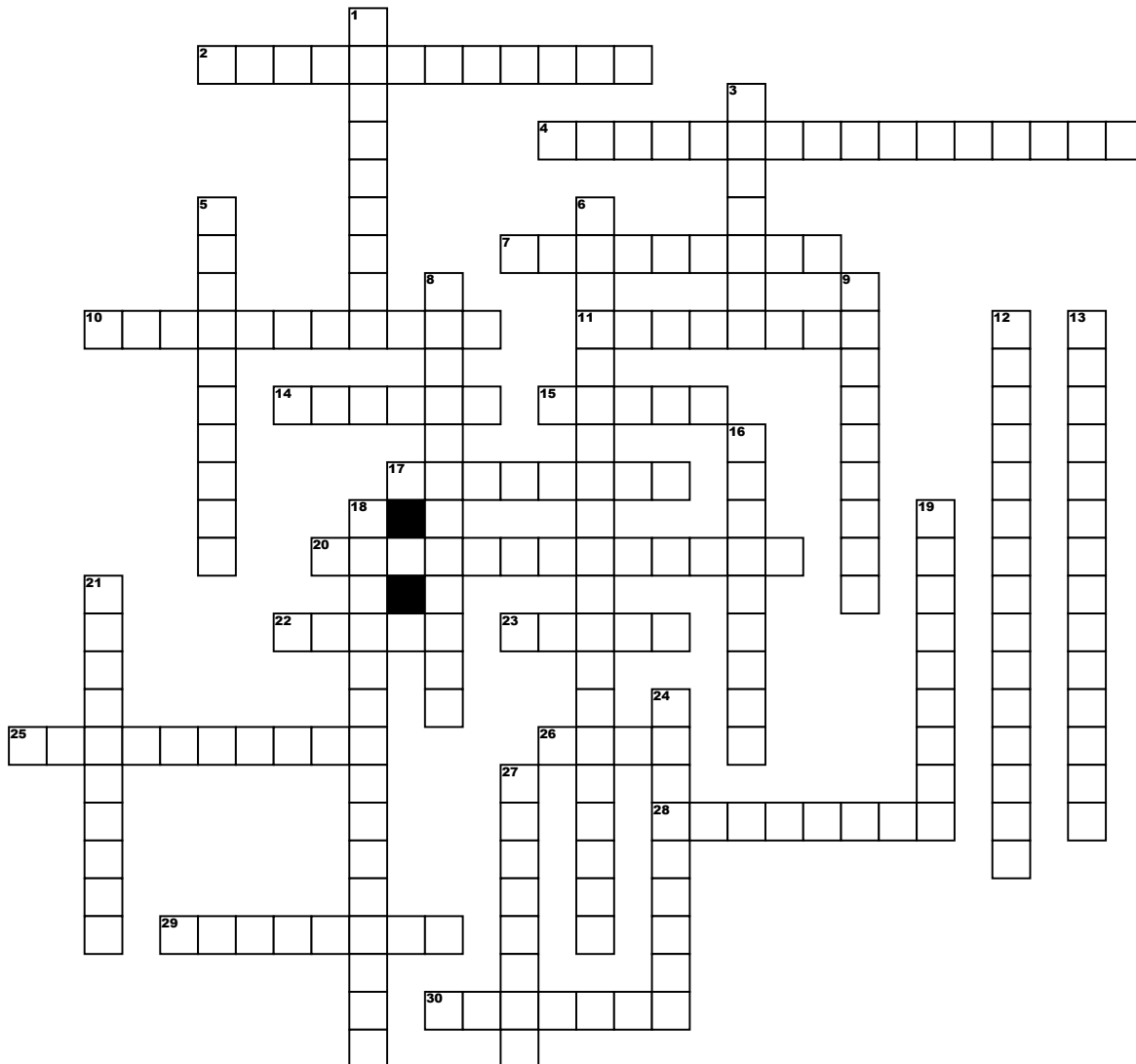


Mitosis



Across

2. The second phase in Mitosis
4. Sister chromatids are bound by what at the centromere
7. When DNA replication occurs
10. The phase when division of cytoplasm occurs
11. In anaphase the chromosomes are pulled toward what end of the cell
14. Cytokinesis occurs in animals by forming a cleavage _____
15. Cytokinesis occurs in plant cells by formation of a cell
17. How many chromosomes do human body cells have
20. Sexual reproduction by division of one cell or body into two equal or nearly equal parts

22. The arrangement of microtubules
23. How many phases does interphase have
25. Mitosis occurs in which type of cells
26. How many phases are in Mitosis
28. The fourth phase in Mitosis
29. The first phase in Mitosis
30. What apparatus is created during prophase that will later separate the sister chromatids

Down

1. Series of events go through as they grow and divide
3. Second stage of a cell cycle
5. What is long, thin, and threadlike
6. During the formation of the spindle apparatus what reabsorbs the nuclear envelope components

8. What synthesis ceases when the portion of the chromosome bearing the rRNA gene is condensed
9. Reversal of prophase and prometaphase
12. What breaks down during the formation of the spindle apparatus
13. An imaginary plane perpendicular to the axis of the spindle that passes through the circle
16. During what phase does the golgi complex and ER re-form
18. Pair of identical chromosomes before a cell divides
19. The last Phase in Mitosis
21. What gives cell the cue to proceed from one phase to another
24. The third phase in Mitosis
27. Where is DNA found in bacteria