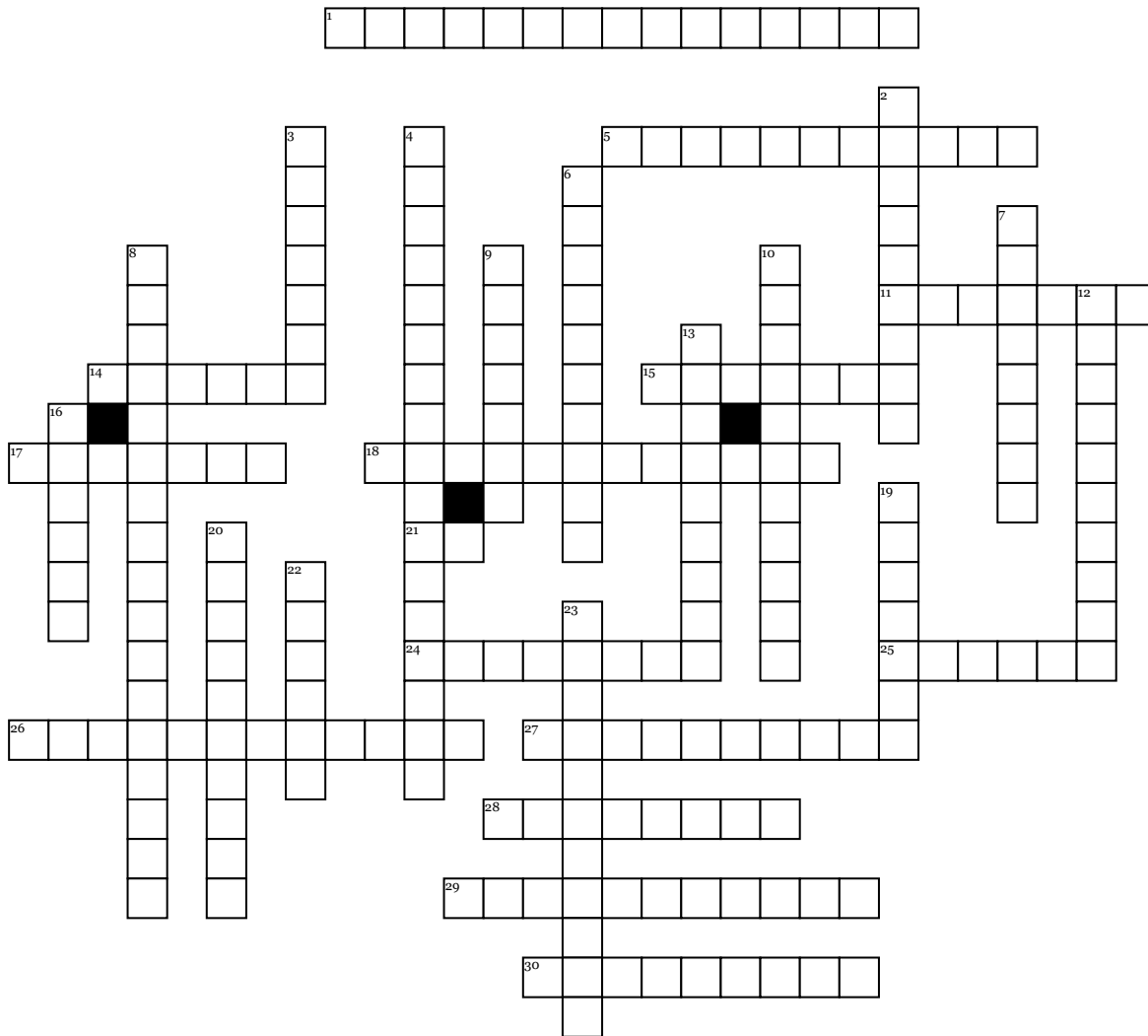


Name: _____ Date: _____ Period: _____

unit 4



Across

1. haploid gametes produced by meiosis are called sperm
5. attached to an area on the chromosomes
11. means one set
14. each chromosome pairs with its corresponding homologous chromosome to form a structure
15. process of reduction division in which the # of chromosomes per cell is cut in half
17. fanlike microtubule structure that separates the chromosomes
18. exchange portions of their chromatids
21. cell growth
24. third phase of mitosis
25. DNA replication

26. happens in the steps of the cell cycle

27. have each of the same chromosomes
28. longest phase of mitosis
29. division of the cytoplasm
30. series of events that cells go through as they grow and divide

Down

2. second phase of mitosis
3. means 2 sets
4. proteins that respond to events inside the cell
6. each chromosome consists of 2 identical
7. protects the cell and regulates what enters and leaves
8. proteins that respond to events outside the cell

9. prep for mitosis

10. the info that is stored in a molecule known as DNA

12. made up of g1 g2 and s phase

13. fourth phase of mitosis

16. consists of prophase anaphase telophase metaphase cytokinesis

19. division of the cell's nucleus

20. 2 tiny structures located in the cytoplasm

22. regulate the timing of the cell

23. genetic info passed from one generation to the next