Write the term of each definition:

1. duplicated strands of DNA --------------------------------

2. structure that holds the 2 DNA copies --------------------------------

3. structures that pull duplicated DNA away from each other--------------------------------

4. a long polymer of DNA that codes for many traits--------------------------------

5. a segment of DNA that codes for a specific trait--------------------------------

6. phase of nuclear division in which DNA line up along the center of cell--------------------------------

7. phase of non-division in which DNA is replicated--------------------------------

8. stage of the cell cycle when division is completed--------------------------------

9. phase of non-division in which organelles are copied--------------------------------

10. stage of the cell cycle when there is no division--------------------------------

11. phase of nuclear division when the chromosomes coil up and condense --------------------------------

12. when cells kill themselves--------------------------------

13. phase of nuclear division when two nuclear envelopes are formed--------------------------------

14. stage of the cell cycle when the nucleus divides--------------------------------

15. the two strands of DNA --------------------------------

16. phase of non-division in which the cell is at rest--------------------------------

17. . phase of nuclear division when chromatids(half chromosomes) run in opposing directions-------------

18. phase of nuclear division in which duplicated DNA separate-------------------------------

19. phase of non-division in which the cell grows-------------------------------

20. structures that are located on opposite ends of the dividing cell to where chromosomes move---------

21. phase of nuclear division in which duplicated DNA separate -------------------------------

22. a mass of cells that is not spreading to other parts of the body-------------------------------

23. structure like DNA found in bacteria-------------------------------

24. when the cell cycle & growth is out of control-------------------------------

25. the first strand of DNA that gets replicated-------------------------------

26. protein that stops the cell cycle if there is a mistake/problem-------------------------------

27. a mass of cells that have formed because of problems w/ cell cycle-------------------------------

28. a mass of cells that is spreading to other parts of the body-------------------------------

29. a term that describes when cancer cells have traveled to other body parts-------------------------------

30. hold the same genes but may have different alleles

**State whether a single cell has unduplicated or duplicated number of chromosomes for each specific phase.**

1. End of Anaphase
2. G2
3. end of telophase
4. end of cytokinesis
5. G0
6. G1
7. Prophase
8. Beginning of S phase
9. metaphase