Cell Biology Name: **Cell Cycle Practice Questions** Period: Try these practice questions by first using just your brain. Then make sure you got the answers right by checking in Chapter 5, Section 2. Match the correct definition with the correct term. Write the letter in the space provided. ____ 1. the process of cell division that forms two nuclei a. daughter cells _____ 2. the life stages of a cell b. cytokinesis 3. the genetic material of living organisms c. chromosomes 4. the structures in which DNA can be found d. cell cycle ____ 5. the division of cytoplasm e. mitosis _____ 6. a kind of skin cancer f. DNA _____ 7. cells created by mitosis g. melanoma ____ 8. Cells need to produce new cells in order to a. create new chromosomes. c. obtain energy from sunlight. d. release energy from food. b. replace cells that have died. 9. During cytokinesis in plant cells, a. a cell plate forms inside the two new cells. c. a cell plate forms, and the cell splits in two. b. the cell loses some of its DNA. d. the cell wall breaks. ____ 10. Which of the following types of cells have uncontrolled growth? c. eukaryotic cells d. organelles a. prokaryotic cells b. cancer cells ___ 11. What must a cell do before it divides? c. form daughter cells a. copy its DNA b. complete binary fission d. ignore its feedback switches that control cell division 12. How many chromosomes do humans have? _____

13. How many sets (pairs) of chromosomes do humans have? _____

a. to help the organism grow larger

b. to replace damaged cellsc. to replace dead cellsd. to create energy

_ 14. Which of the following is <u>not</u> a reason that cells go through mitosis?