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Name answer key Date
THE CELL CYCLE WORKSHEET
1. The process by which a cell spits into two daughter cells is called
2. DNA wraps itself around proteins called histone, which aid in the tight packing of DNA into chromosomes.
3. Cells spend most of their time in what phase?interphase
4. During cell division, are duplicated before cell division so that each new daughter cell has a complete set.
5. The M phase of the cell cycle includes <u>prophase</u> , <u>metaphase</u> , <u>anaphase</u> , and <u>telophase</u> .
6. The centrioles and centrosomes are produced and duplicate during <u>G2 phase</u> .
7. During which step of interphase are the cell's chromosomes copied? S phase
8. When a cell divides each daughter cell receives its own copy of the parent cell's DNA
9. Explain one advantage of sexual reproduction over asexual reproduction. genetic diversity
10. During prophase, DNA coils up and becomes a visible chromosomes
11. The picture on the right shows a centrosome. What role do centrosomes

play in mitosis? Make spindle Fibers in order to pull the chromosomes apart during anaphase

12. Normal humans have ______46 ____ chromosomes.

12. Human gametes have a total of _____ chromosomes.