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ACROSS

- 1 maternal and paternal chromosome pairs found in diploid cells
- 3 fusion of gametes to make a zygote
- 4 structure formed during cytokinesis in a plant cell
- 5 offspring produced without sex
- 7 one generation of a cell
- 10 four chromatids in prophase
- 11 somatic cell
- 13 replicated chromosome
- 17 discoverer of nucleus function
- 18 a mitogen that alters cell division rates in fibroblasts
- 24 As a cell gets larger the _____ decreases
- 27 mitosis phase where spindle fibers attach to kinetochores
- 29 anchor point for spindle fiber
- 30 motor protein responsible for movement of chromatids in anaphase
- 31 protein that holds replicated chromatids together
- 32 female gamete
- 33 division of the cytoplasm
- 35 phase where DNA is copied
- 36 an enzyme that activates (or deactivates) a checkpoint in the cell cycle
- 37 phases in between S and M phases of cell cycle
- 38 What does not happen in meiosis II
- 2 network of protein fibers formed during cell division
- 4 point where kinetochore is found on replicated chromosomes
- 6 another phrase equivalent to meiosis
- 8 exchange of genetic material during meiosis I
- 9 first cloned mammal
- 12 cancerous cells lack _____ (abbrev)
- 14 single celled algae that lead to discovery of nucleus function
- 15 mitosis phase where chromatids travel to opposite poles of the cell
- 16 mitosis phase where nuclei reform after chromosomes reach opposite poles of the cell
- 17 gametic cell
- 18 mitosis phase where chromosomes first become visible
- 19 source of spindle fibers
- 20 fibers responsible for cytokinesis in animal cells
- 21 cell type that produces collagen
- 22 mitosis phase where replicated chromosomes line up at equator of cell
- 23 the control of the cell cycle occurs at specific _____
- 25 nuclear division associated with reproduction
- 26 a chemical from outside of a cell that influences cell division
- 28 nuclear division associated with growth
- 34 male gamete

Solution:

