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Semester 1 biology review

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| **Across****2.** phase of mitosis when the chromosomes are lined up across the equator of the cell**3.** whip-like structure that helps a cell move**5.** splitting of the cytoplasm of a cell following mitosis**6.** type of environment in which a cell would shrink and shrivel**8.** www.\_\_\_\_\_\_\_\_.com is the website to get to GIZMO labs**11.** XX**12.** where meiosis takes place in males**13.** amount of a substance **17.** nitrogen base that triple bonds to guanine**18.** contains the genetic code for making proteins**22.** maintaining a stable internal environment**27.** trisomy 21**28.** the factor you control when you are doing an experiment**32.** number of different allele combinations from AaBb**33.** Photograph of chromosomes arranged in pairs**36.** responsible for bailing out water in a Paramecium**39.** what a living thing responds to in the environment**40.** cell organelle where proteins are made;make RER rough; most numerous organelle**41.** 46 for humans (2n)**42.** occupies most of the volume of plant cells**43.** on-line lab activities to review for your exam | **Down****1.** type of animal whose egg changes gender according to temperature**4.** when Vincent pretends to be Jerome**7.** nitrogen base that double bonds to thymine**9.** the sugar in DNA**10.** 23 for humans (n)**14.** genetic disease treated with a strict low-protein diet**15.** your heart and diaphragm**16.** controls what enters and leaves the cell**19.** change over time **20.** a tadpole turning into a frog; a caterpillar turning into a butterfly**21.** Stage of the cell cycle in which a cell's DNA is copied**23.** type of a cell division that produces two identical cells**24.** a chromosome that looks like an 'X' has \_\_\_\_\_sister chromatids**25.** gas that comes out of photosynthesis**26.** Anton's brother**29.** total magnification under high power of our microscopes**30.** XY**31.** fresh water surrounding a red blood cell**34.** packages substances to be exported from the cell**35.** when the chromosomes first become visible durning mitosis**37.** complement of ATGCTA**38.** type of graph you would make for a data set expressed in percentages |