

Mitosis and Meiosis Test Review

- 1) Know the five stages of mitosis and the important event that happens in each stage
 - 2) Why are there no unicellular organisms that use sexual reproduction
 - 3) What are the two processes to mitosis
 - 4) Define asexual and sexual reproduction
 - 5) What are chromosomes and how many do humans have in each cell
 - 6) Write a rhyme to help remember the stages of mitosis – such as I peeled more apples today (obviously a different one)
 - 7) What does the prefix meta refer to
 - 8) Define cytokinesis
 - 9) Why can't plant cells pinch during mitosis
 - 10) What are the two major differences in plant cell mitosis versus animal cell mitosis
 - 11) What is the simplest form of asexual reproduction and provide an example of a critter that uses it
 - 12) How is budding different from binary fission
 - 13) Define regeneration, cutting layering and grafting
 - 14) What are some of the advantages of artificial reproduction
 - 15) What are the male and female gamete and where is each produced
 - 16) How is spermatogenesis and oogenesis different
 - 17) Name an organism that is a hermaphrodite
 - 18) What is the haploid and diploid number in humans
 - 19) Define the characteristics of meiosis
 - 20) List the stages of meiosis and an important event that happens in each stage
 - 21) Compare internal and external fertilization
 - 22) What is fecundity rate
 - 23) What is parthenogenesis
 - 24) Should we reverse "Mother Nature"
 - 25) What are the three patterns by which animals are born
 - 26) What is disjunction and non-disjunction. What genetic disorder can the latter result in
 - 27) Why is genetic variation a good thing
- What is a tetrad and what is crossing over and how often does it occur