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## Observations: Main differences between mitosis and meiosis: Main differences between fillosis and meiosis: Mitosis happened in the somatic cell. Meiosis happened in the germ cell In mitosis cell division somotic cell have 46 chromosomes. In meiosis cell division, 4n chromosomes have been make 1) Due to mitosis the number of chromosomes in the cell ...................... therefore, this division 2) Due to meiosis the number of chromosomes in the cell ....2n...., so this division occurs in Multiple Choice Questions 1. A diploid cell means ...2n... b. 2n a. n c. 3n 2. In this stage of mitosis, the daughter chromosomes appear like bunch of bananas. a. Prophase b. Metaphase c/Anaphase d. Telophase 3. During metaphase this change occurs in the chromosomes ...... a. get coil shape. b. arranged parallel to equatorial plane. c. get destroyed due to breaking d. get folded. 4. How many times a cell will have to divide mitotically, to form 128 cells? b. 14 c. 28 d. 32 5. Suppose, you have supplied with onion root to observe steps in cell division. If you want to count the number of chromosomes, which step will you observe? a. Prophase b/Metaphase c. Anaphase d. Telophase : Exercise : 1. What would have happened if meiosis not occur during the production of human sperm cell and egg cell? In the meiosis crossing over is happened with. reproduction is not hoppened. Remark and Signature! 35