

Warmup

1. How does meiosis increase biodiversity?
2. Why is biodiversity important?
3. Where does meiosis occur in the body?
4. What type of cells does meiosis create? How many chromosomes are present in these cells? Why is the number of chromosomes important?

1. ^{A.} Process of sexual reproduction = mixing of 2 gene pools \uparrow diversity
- B. Crossover in P₁
- C. Ind. Assortment in M₁
2. \uparrow Population survival because variety in resistances to diseases, etc.
3. Sex cells... in reproductive organs
4. Gametes = Sperm, egg = haploid cells = $\frac{1}{2}$ info = 23 chromosomes
imp. so that offspring only have 46 chromosomes (diploid cells)