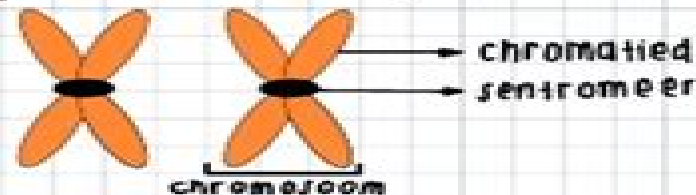


seldeling

BOU van 'n chromosoom

- chromosoom met dieselfde vorm en grootte
- sentromere in dieselfde posisie
- chromosoom dra dieselfde stel gene / allele op dieselfde lokus dra

Homoloog chromosoompaar

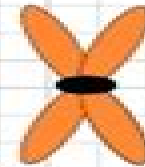


Volledige stel chromosome
→ genoom - word voorgestel in karyotipe

chromosoom in enkel toestand voor replisering



chromosoom in dubbele toestand na replisering



rangskikking van chromosoom in menslike karyotipe

- 23 pare / 46 chromosome in somatiese selle van die mens
- Homoloog pare gerangskik volgens grootte
- Homoloog pare dra geen vir dieselfde eienskap
- allele vir betrokke geen op dieselfde lokus
- eike somatiese sel het 22 paar outosome ^{behaal gene}
- 1 paar gonosome, x en y ^{behaal genies}
- man het xy gonosome
- vrou het xx gonosome
- x chromosoom is groter as y chromosoom
- Genoom → volledige stel genetiese kode in 'n spesie.
- Karyotipe → diagram met chromosome van spesie

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JL Elias



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