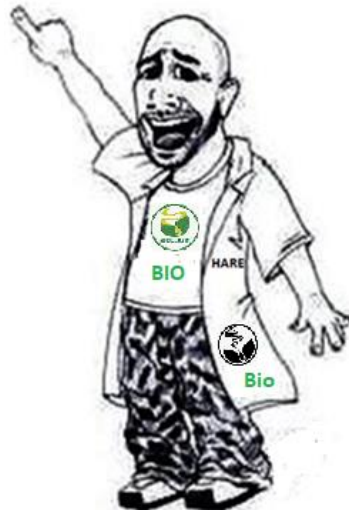


MEIOSE

FASES DA DIVISÃO CELULAR

(Apostila 6 – módulo 33)



MEIOSE

FASES DA DIVISÃO CELULAR

Prof. Hare
BIOLOGIA

CICLO CELULAR

?

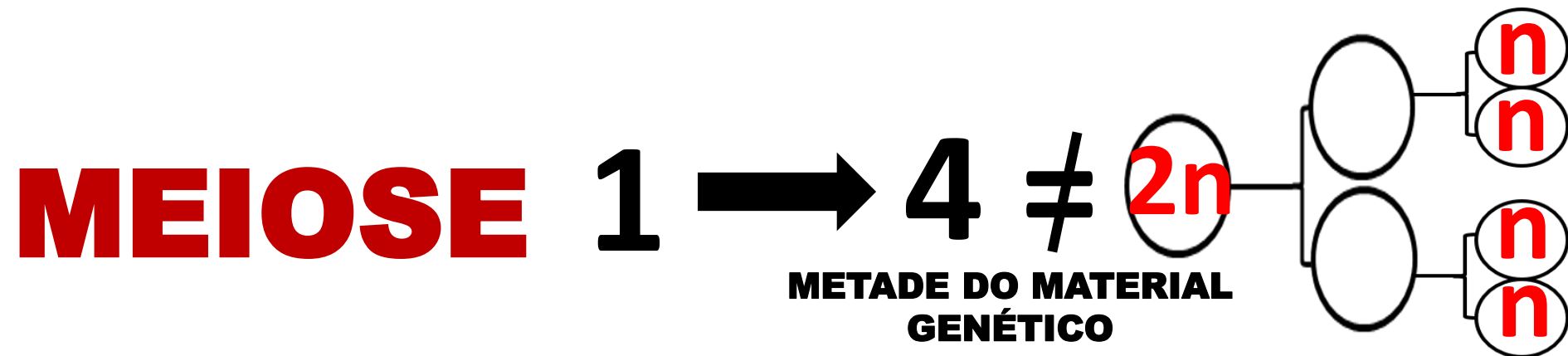
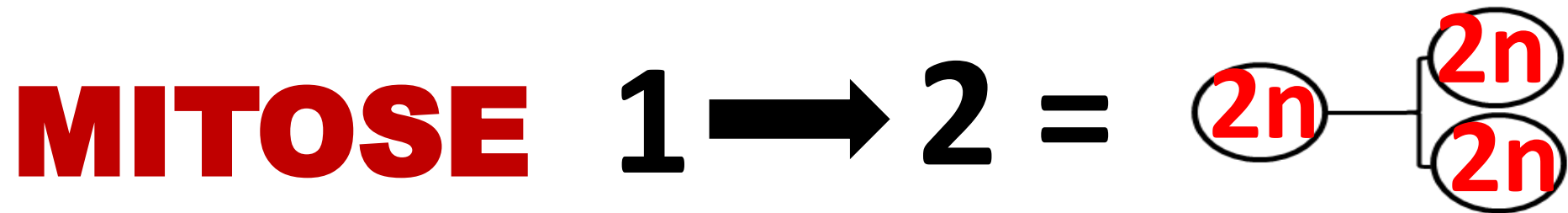
A EXISTÊNCIA DA CÉLULA (PERÍODO)

COMPREENDE:

INTÉRFASE + DIVISÃO

TIPOS DE DIVISÃO

TIPOS DE DIVISÃO



MEIOSE

PLOIDIA ?

2n

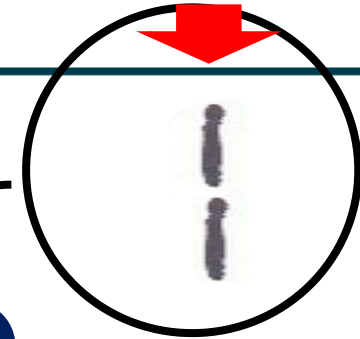
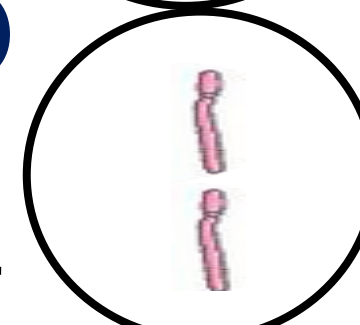
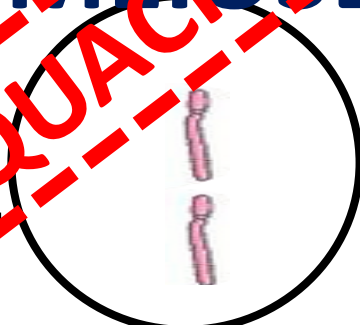
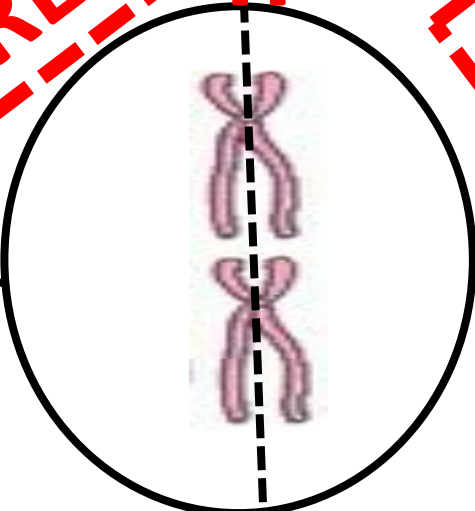
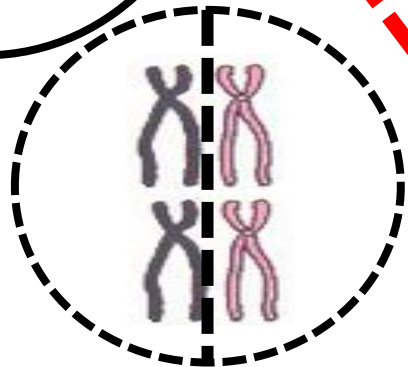


?

MEIOSE I

MEIOSE II

REDUCIONAL
EQUACIONAL



n

n

n

n

n



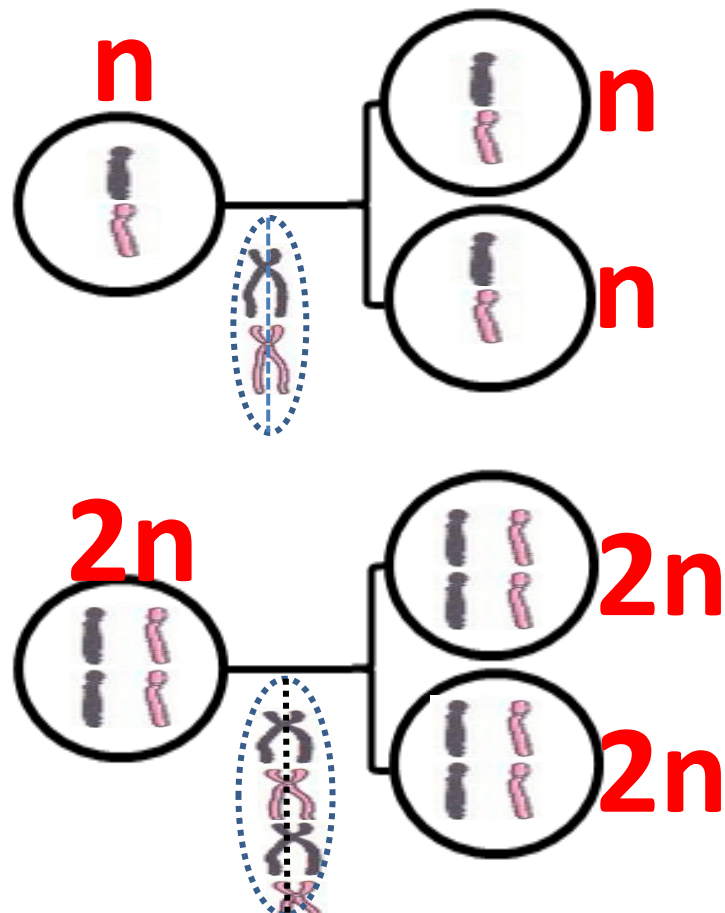
NOVAMENTE...
FICA LIGADO, PÔ!!!

MEIOSE
SÓ PARA
REPRODUÇÃO

MITOSE e MEIOSE

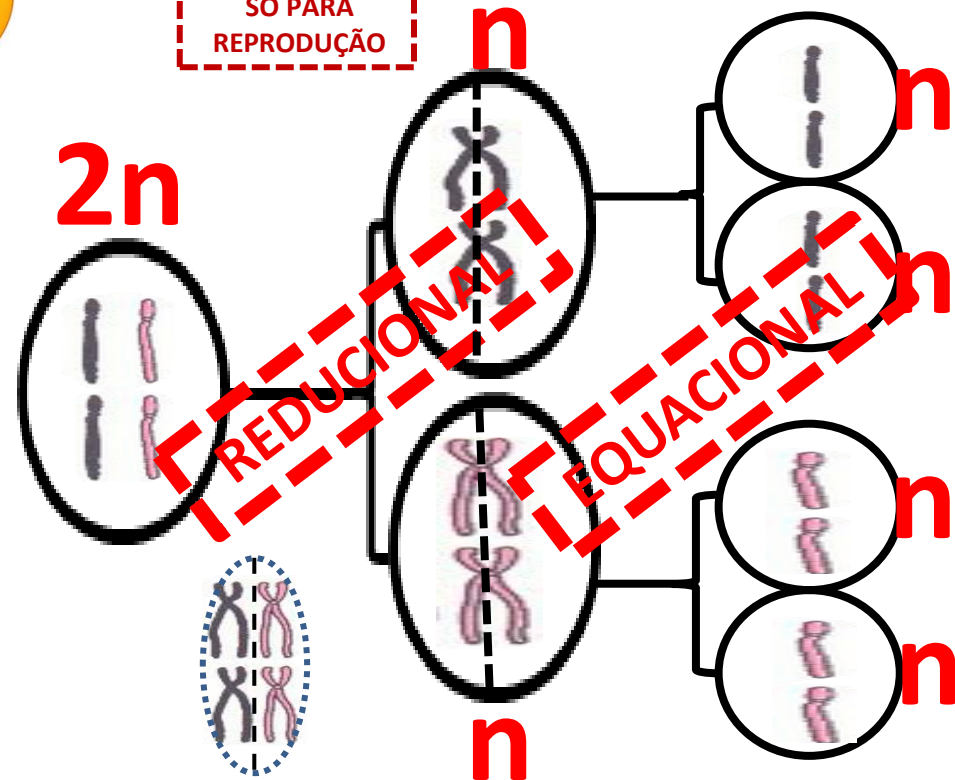
ANTES DA DIVISÃO CELULAR SEMPRE
DUPLICA O MATERIAL GENÉTICO

MITOSE



MEIOSE
SÓ PARA
REPRODUÇÃO

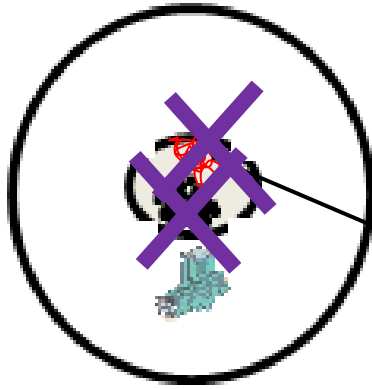
MEIOSE



MITOSE – BREVE RETOMADA

MITOSE

INTÉRFASE



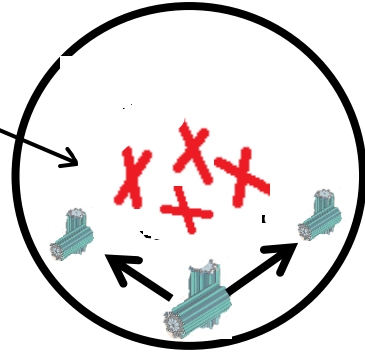
Fase S

duplica DNA



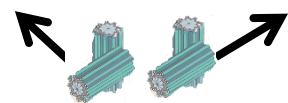
RELEMBRANDO

PRÓFASE



Esprumilhação

Desaparece:
carioteca nucléolo



centríolo

duplica polariza

METÁFASE



Placa equatorial

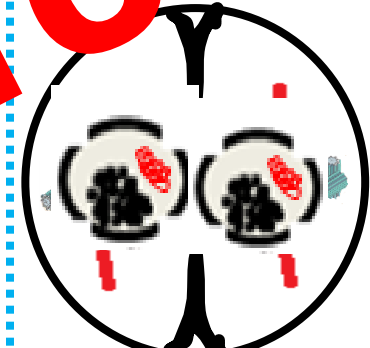
Fuso formado

ANÁFASE



SEPARAÇÃO
das
cromátides
irmãs

TELOFASE

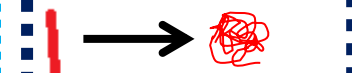


CITOCINESE



REAPARECE:

nucléolo carioteca

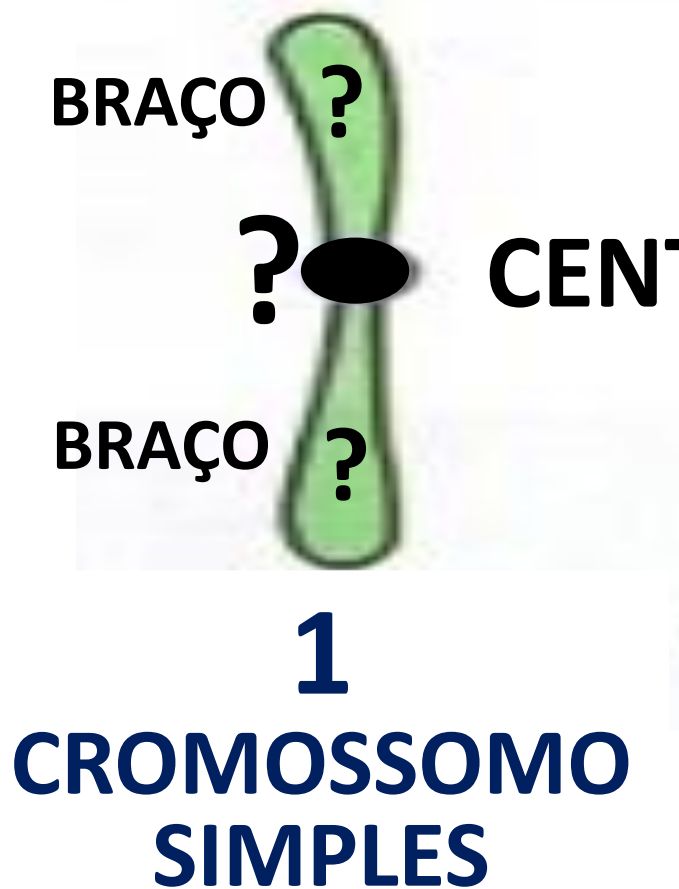


CARIOCINESE

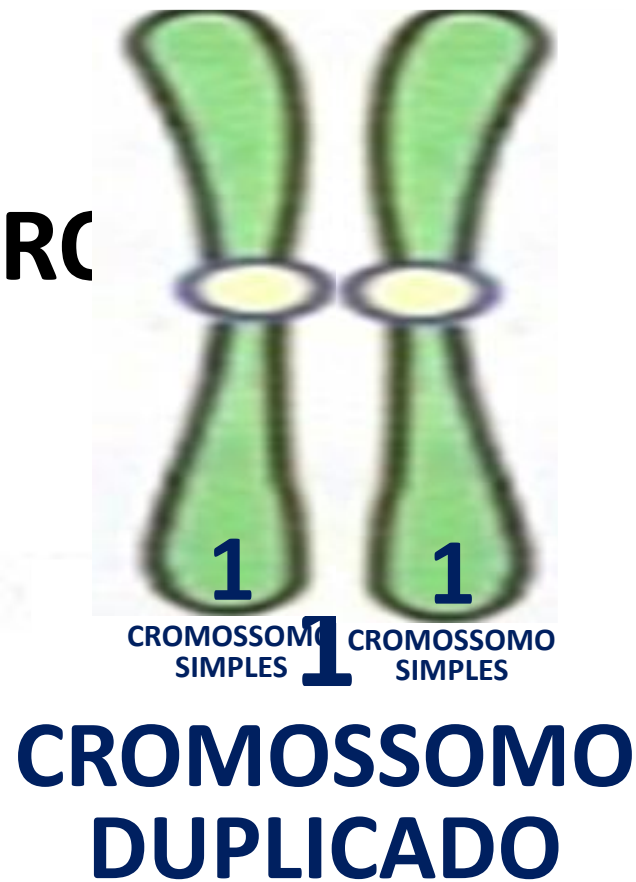
núcleo



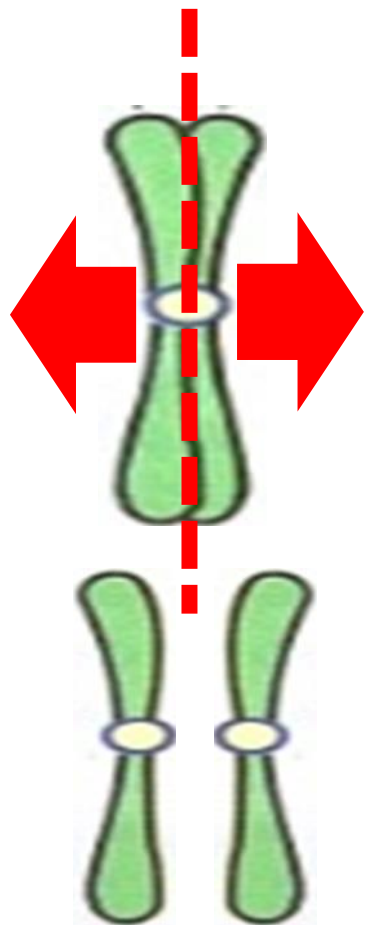
SEPARAÇÃO DAS CROMÁTIDES IRMÃS



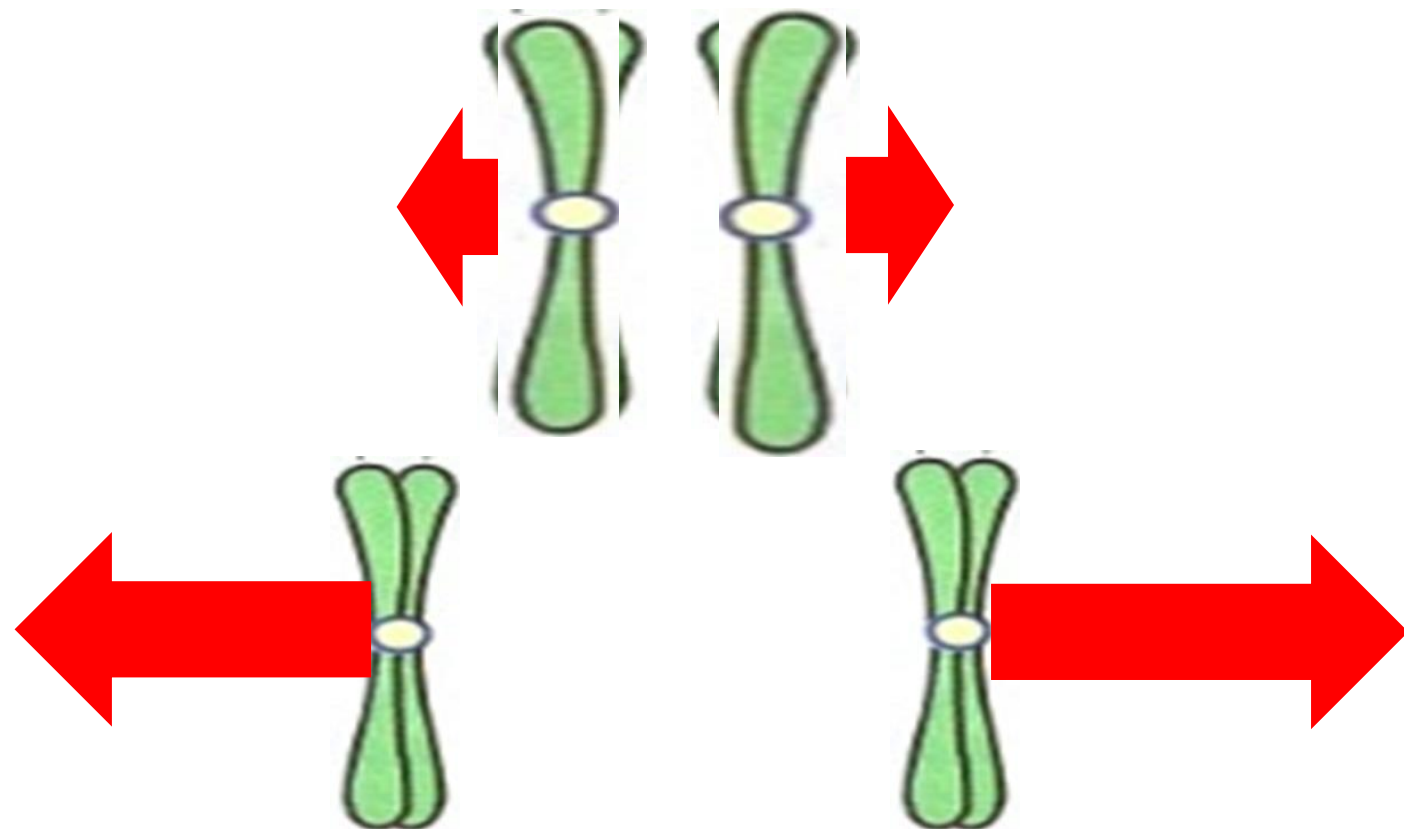
ENTÃO...



CUIDADO!

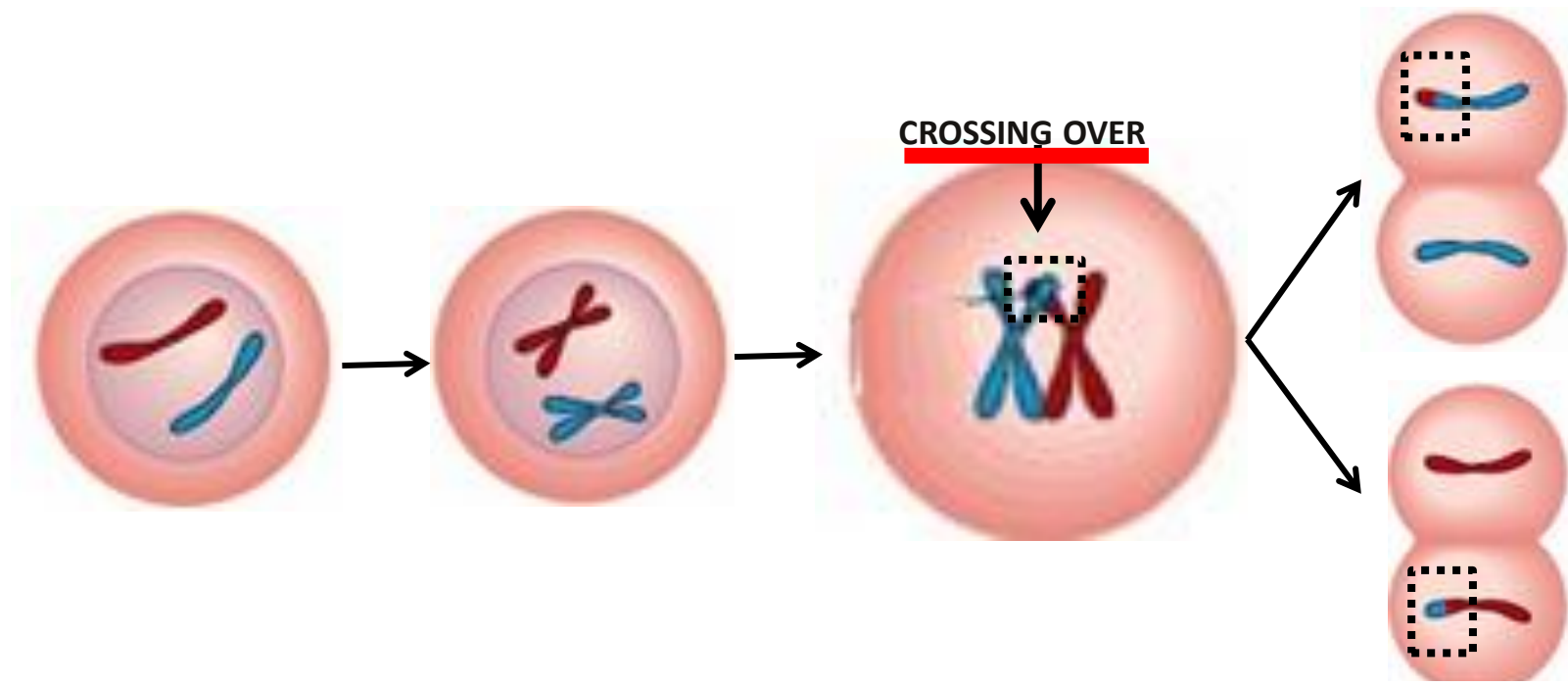
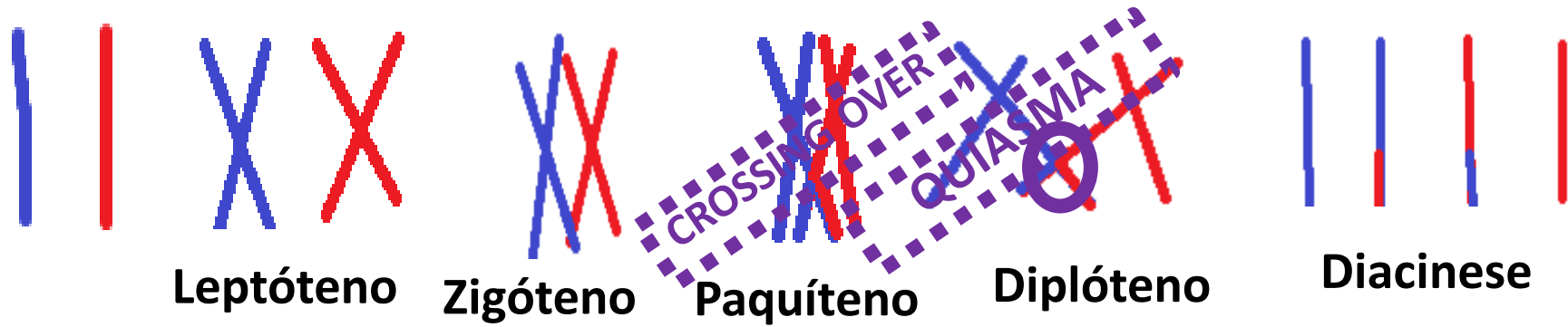


SEPARAÇÃO
DAS CROMÁTIDES IRMÃS



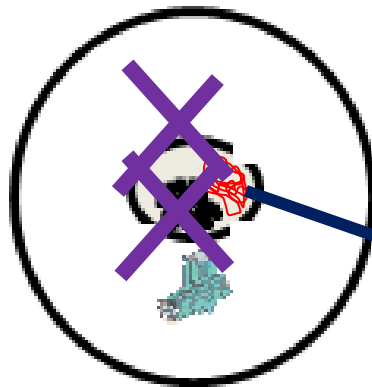
SEPARAÇÃO
DOS CROMOSSOMOS HOMÓLOGOS

CROSSING OVER



MEIOSE

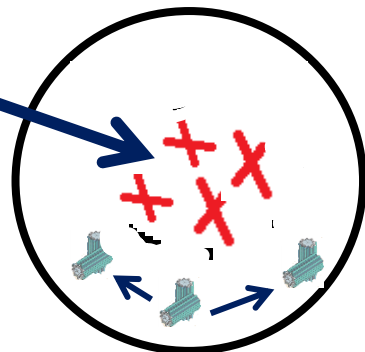
INTÉRFASE



Fase S

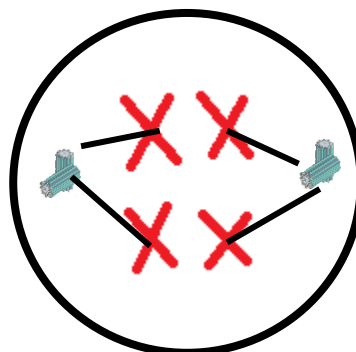
duplica DNA

PRÓFASE I



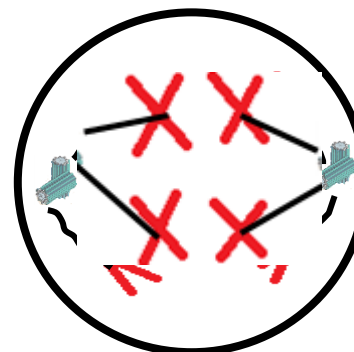
CROSSING OVER
QUIASMA

METÁFASE I



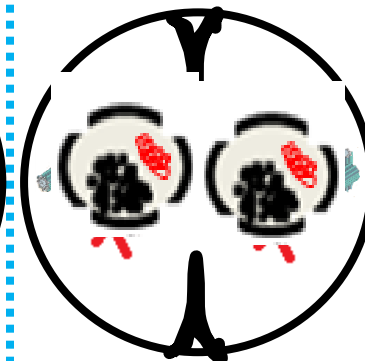
PAREAMENTO DOS
CROMOSSOMOS
HOMÓLOGOS

ANÁFASE I



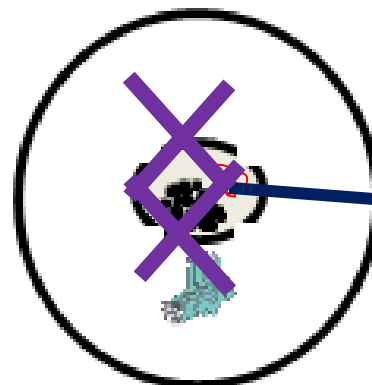
SEPARAÇÃO DOS
CROMOSSOMOS
HOMÓLOGOS

TELÓFASE I

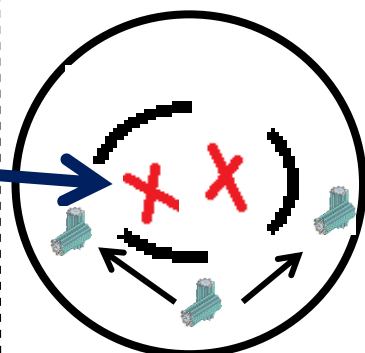


CITOCINESE
CARIOCINESE

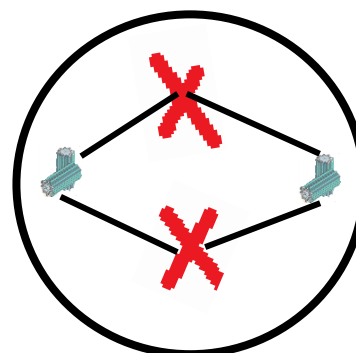
INTERCINESE



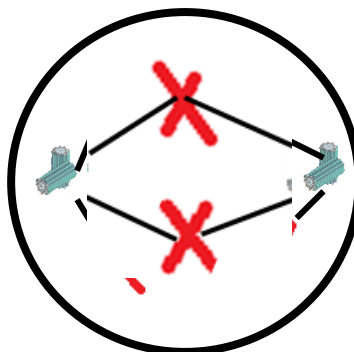
PRÓFASE II



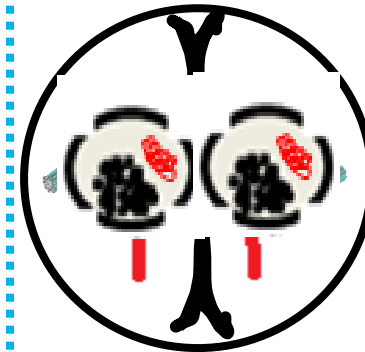
METÁFASE II



ANÁFASE II

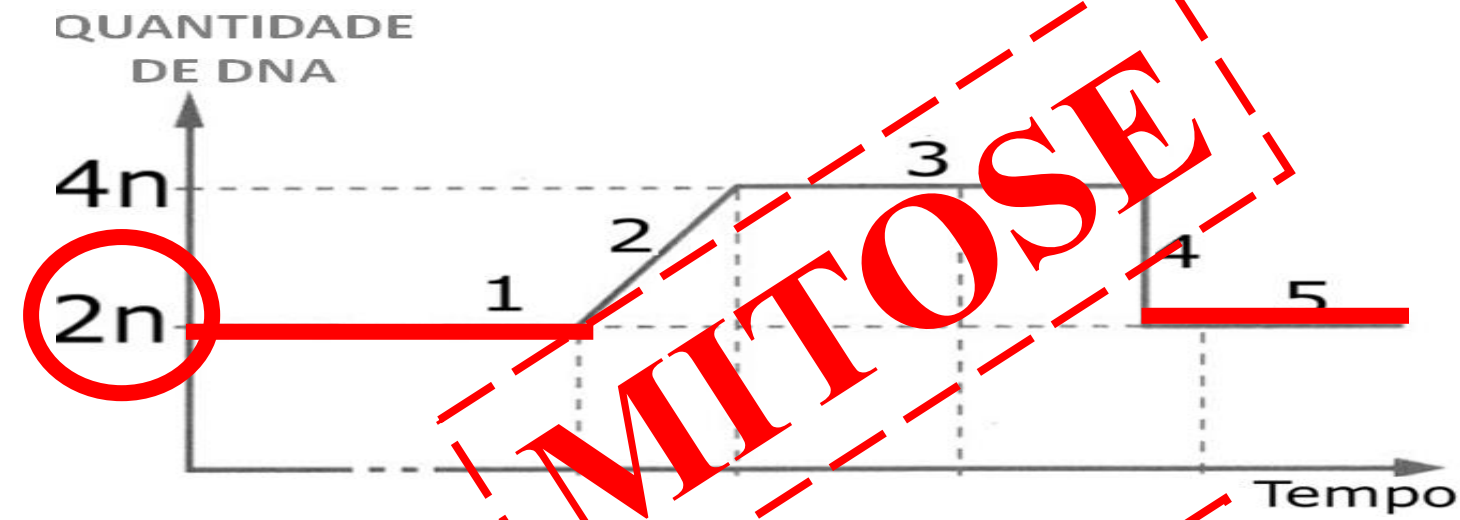


TELÓFASE II





VAMOS...
PARA O GRÁFICO



MITOSE

MEIOSE

MEIOSE

