The background of the slide is a microscopic image showing several large, rounded cells in various stages of meiosis. The cells are stained, with some showing distinct chromosomes in red and blue. The overall color palette is warm, with yellows, oranges, and greens. The text is centered over the image.

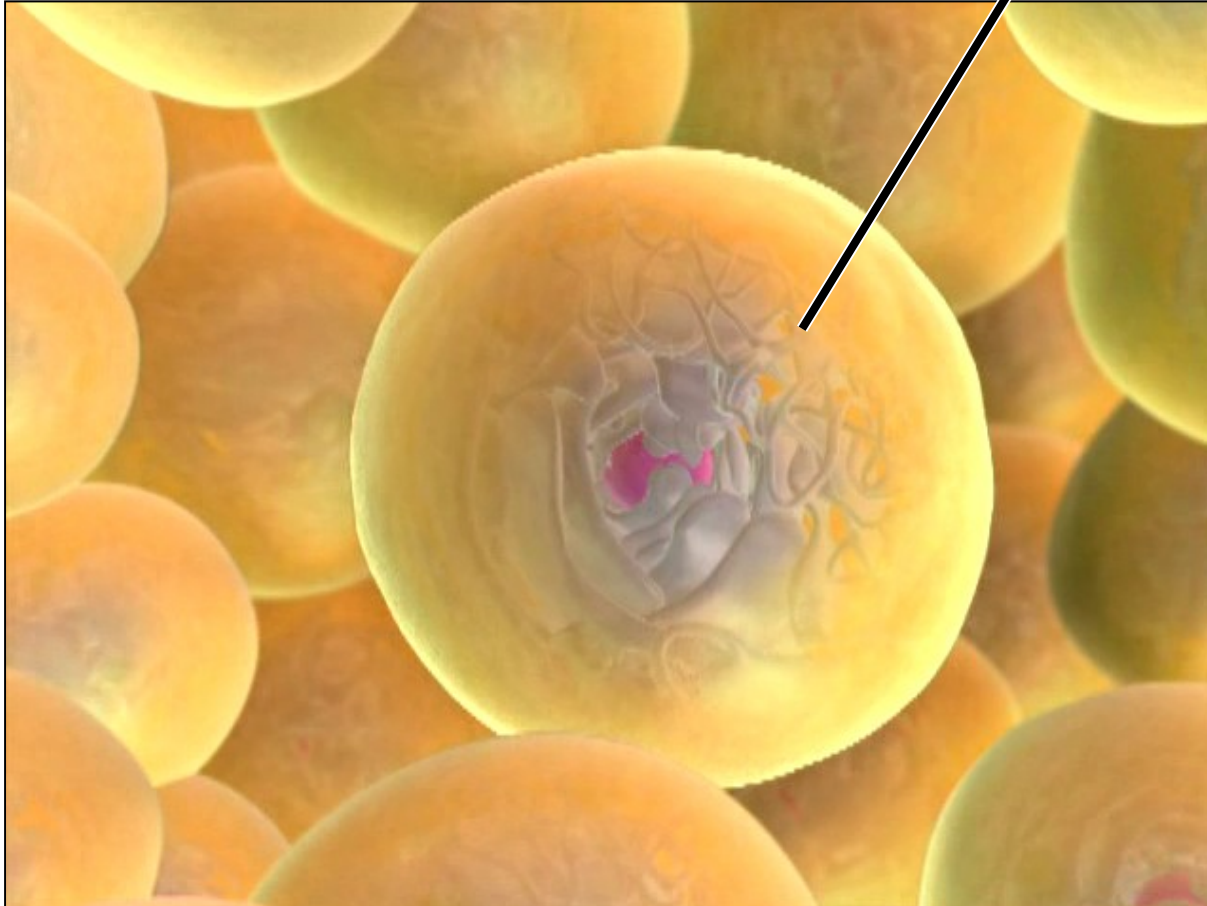
BioFlix Animations Meiosis Slide Show

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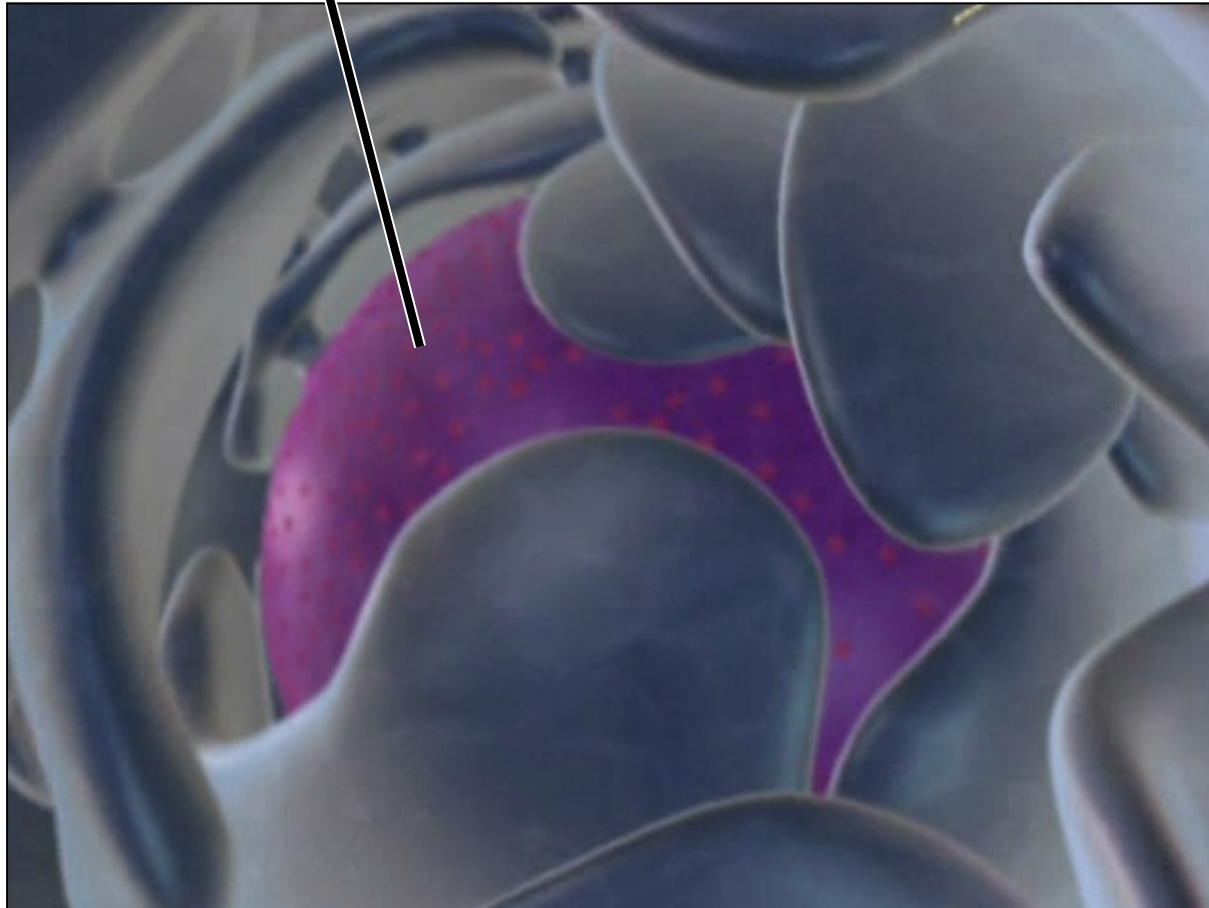
Cell



Interphase



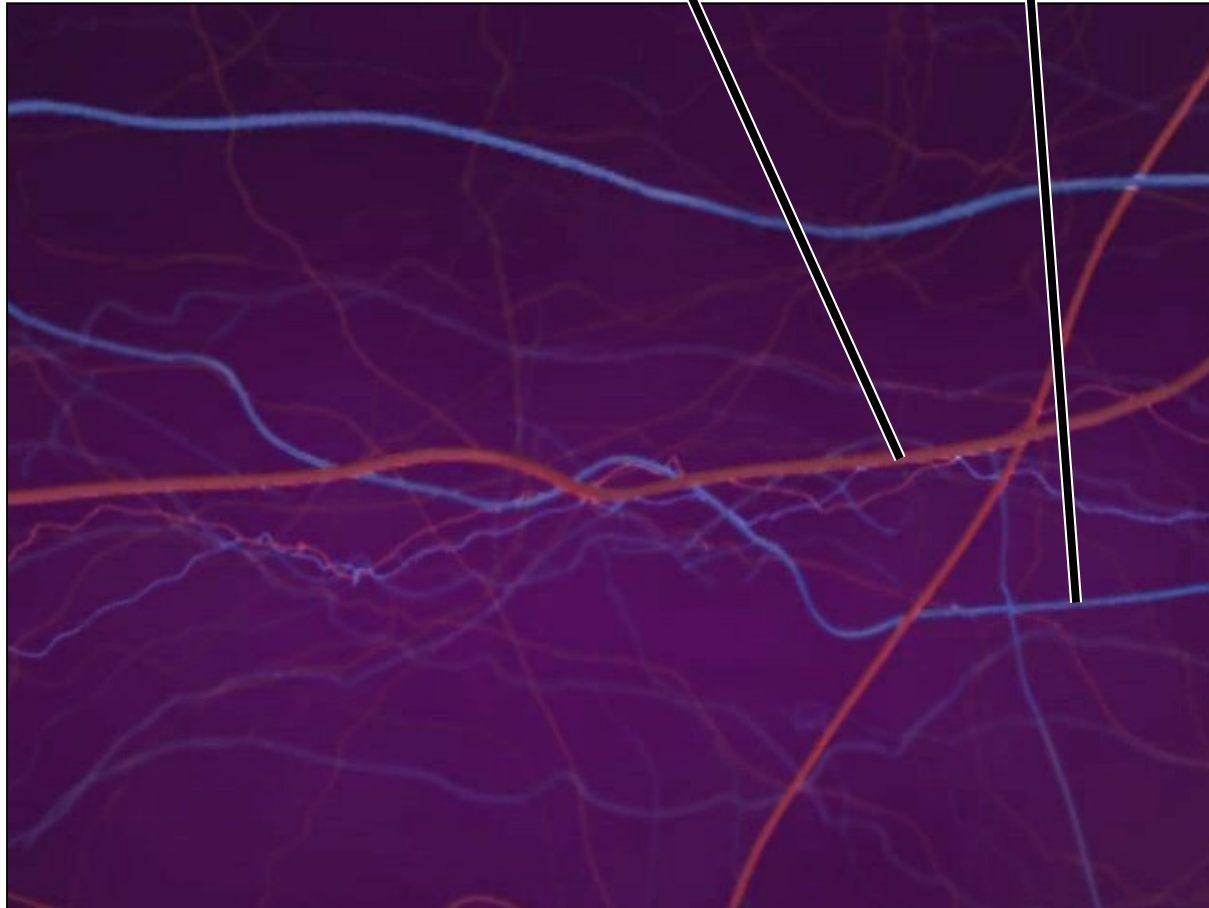
Nuclear envelope





Maternal
chromosome

Paternal
chromosome

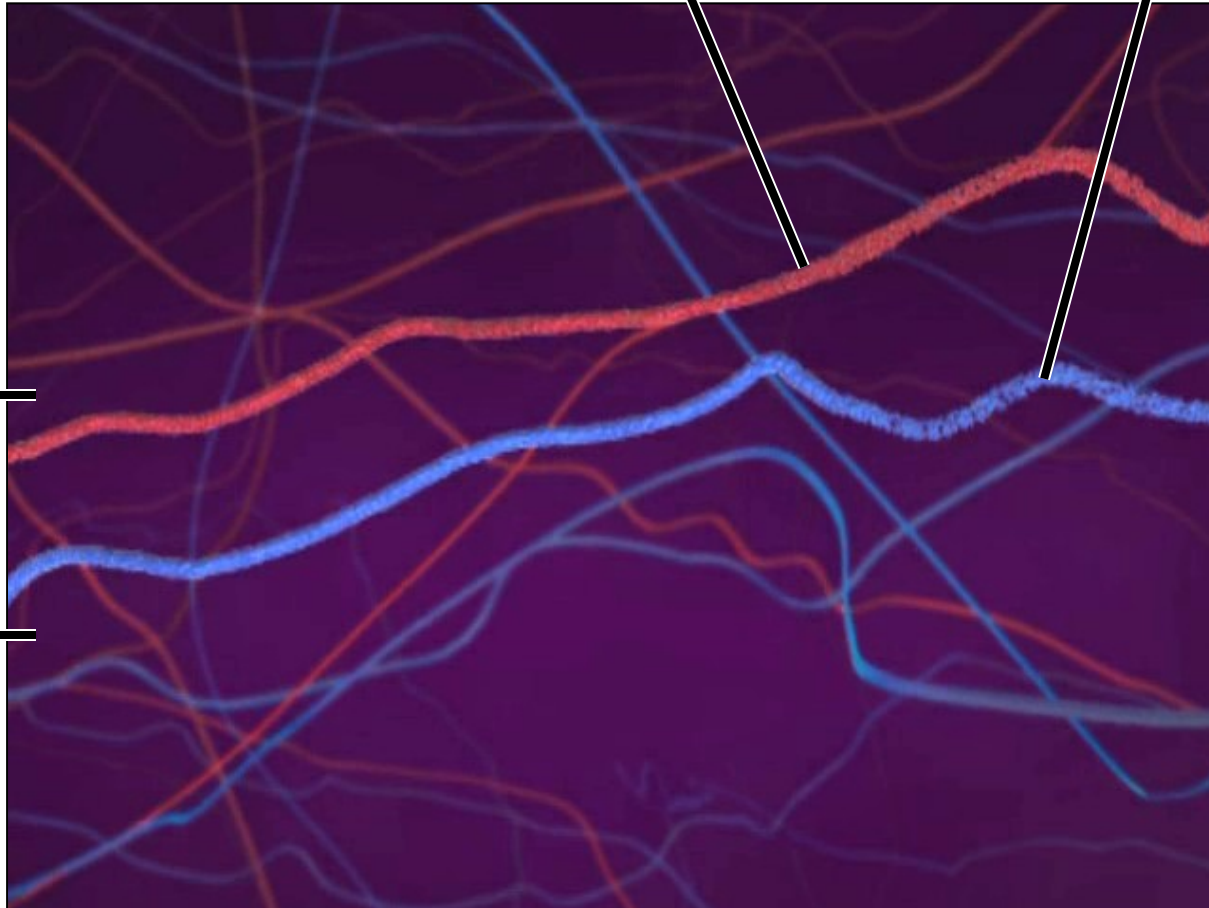




Homologous chromosomes

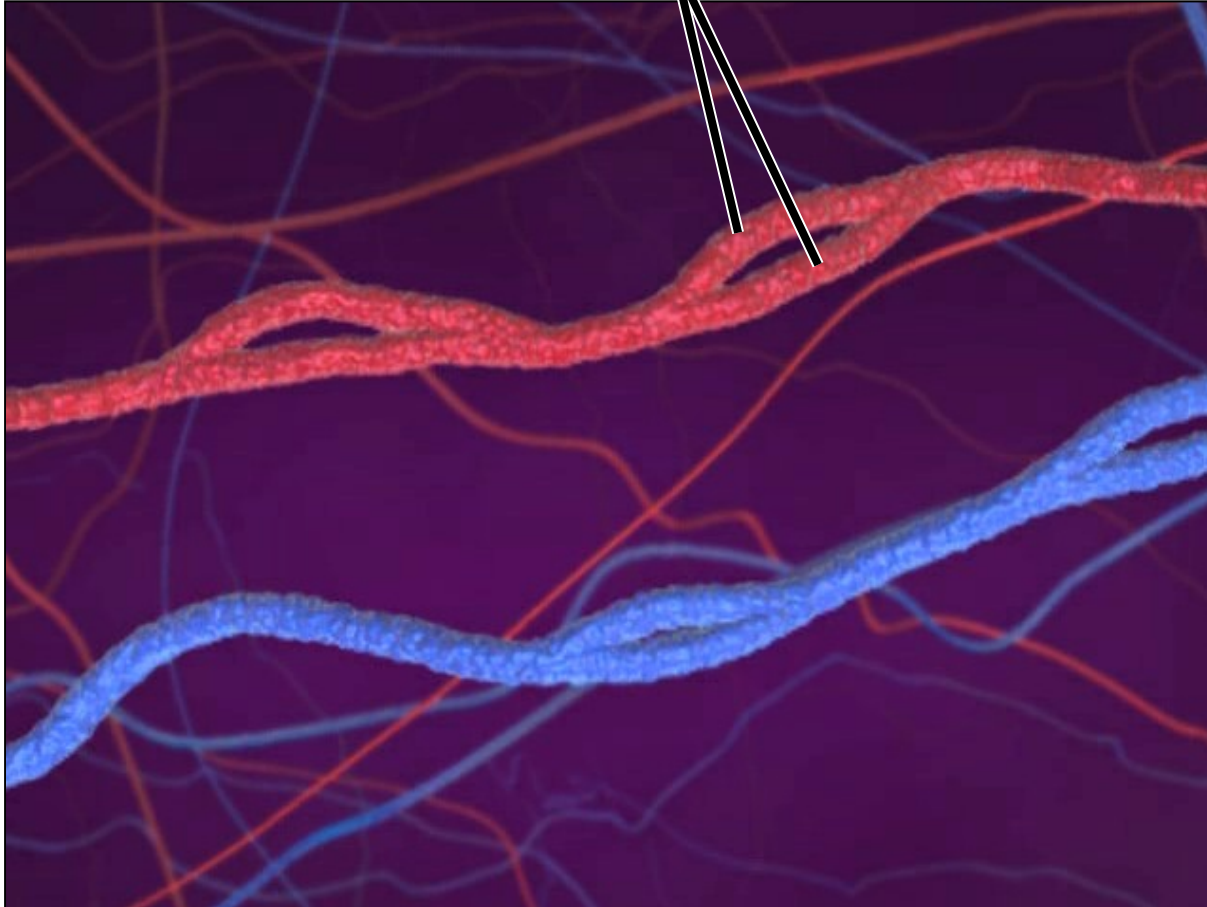
Maternal chromosome

Paternal chromosome





Duplicating
chromosome

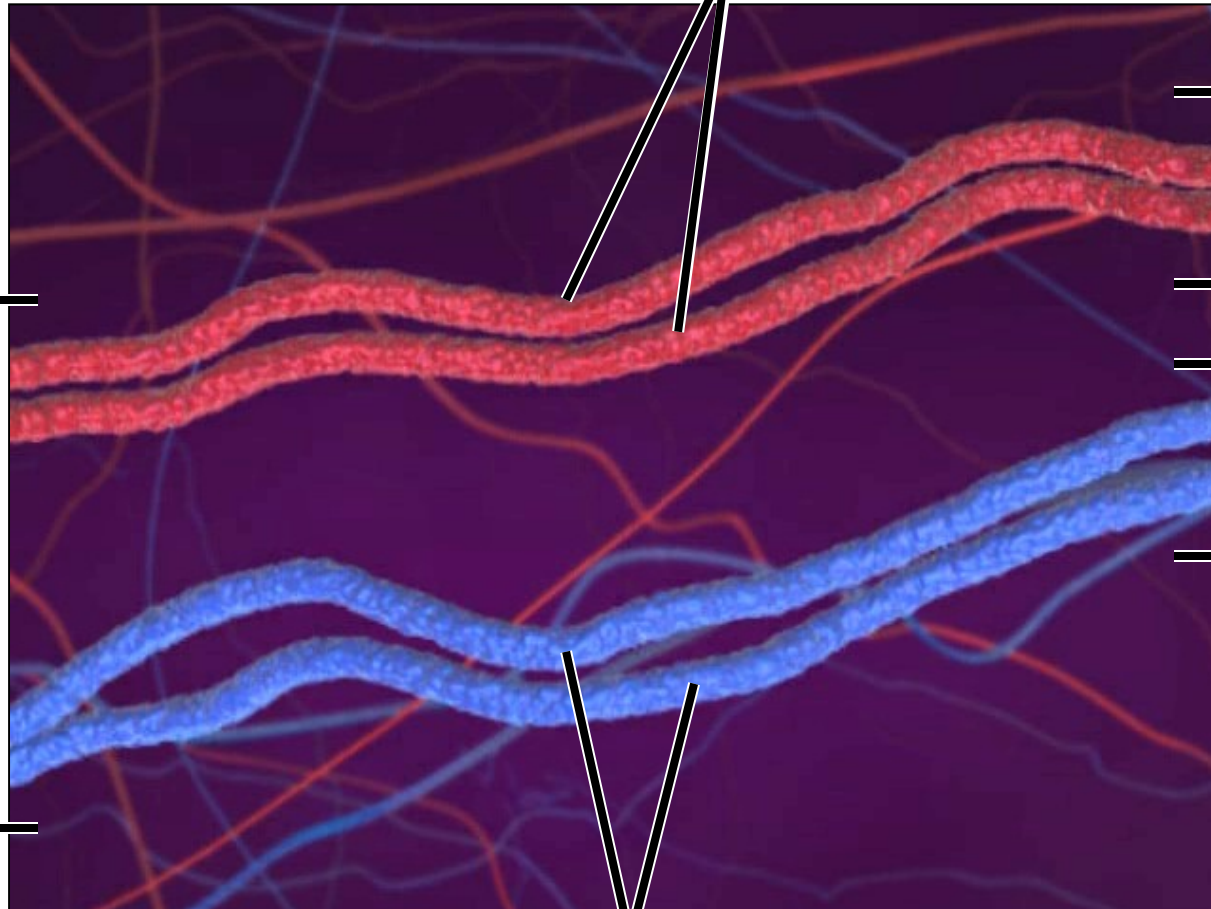




Homologous
chromosomes

Sister
chromatids

Maternal
chromosome



Sister
chromatids

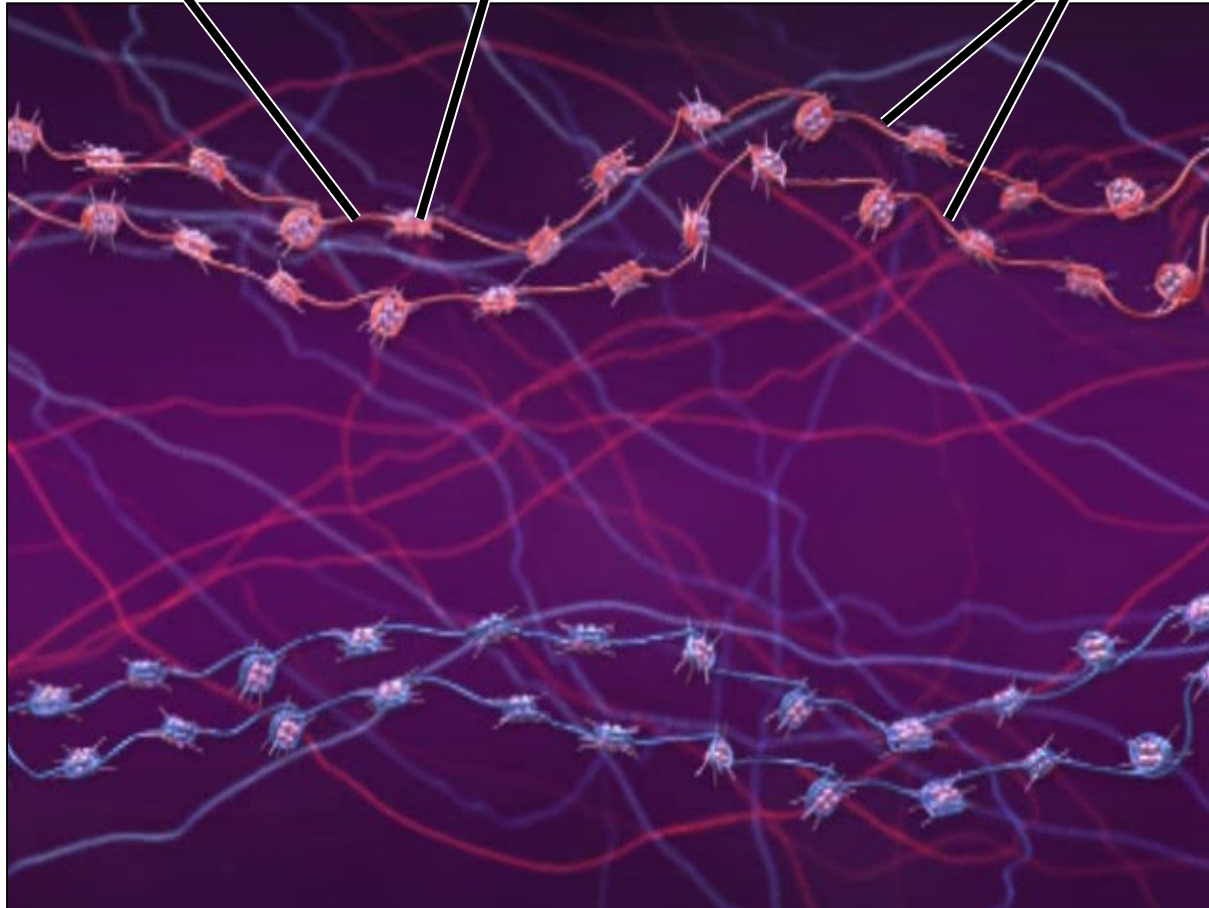
Paternal
chromosome



DNA

Histone proteins

Sister chromatids

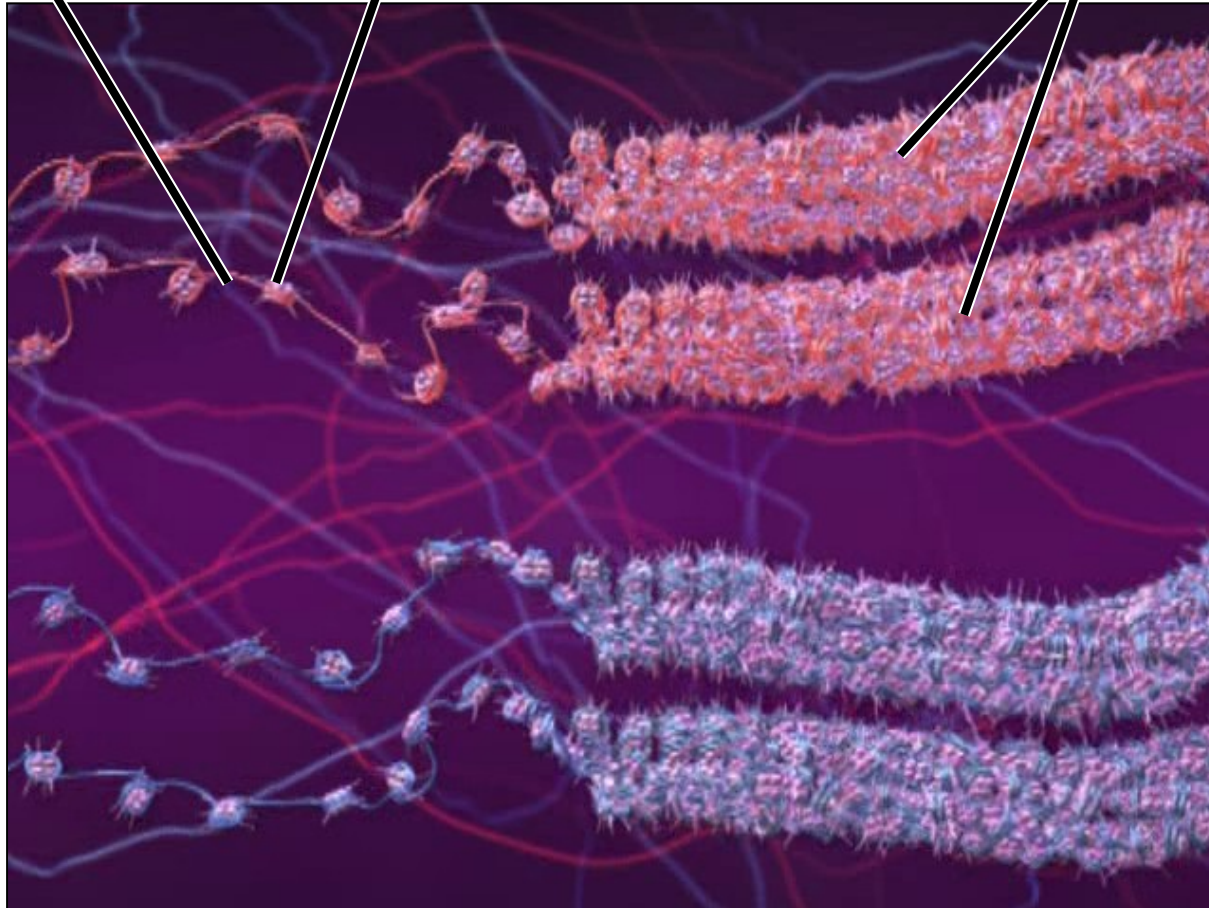




DNA

Histone proteins

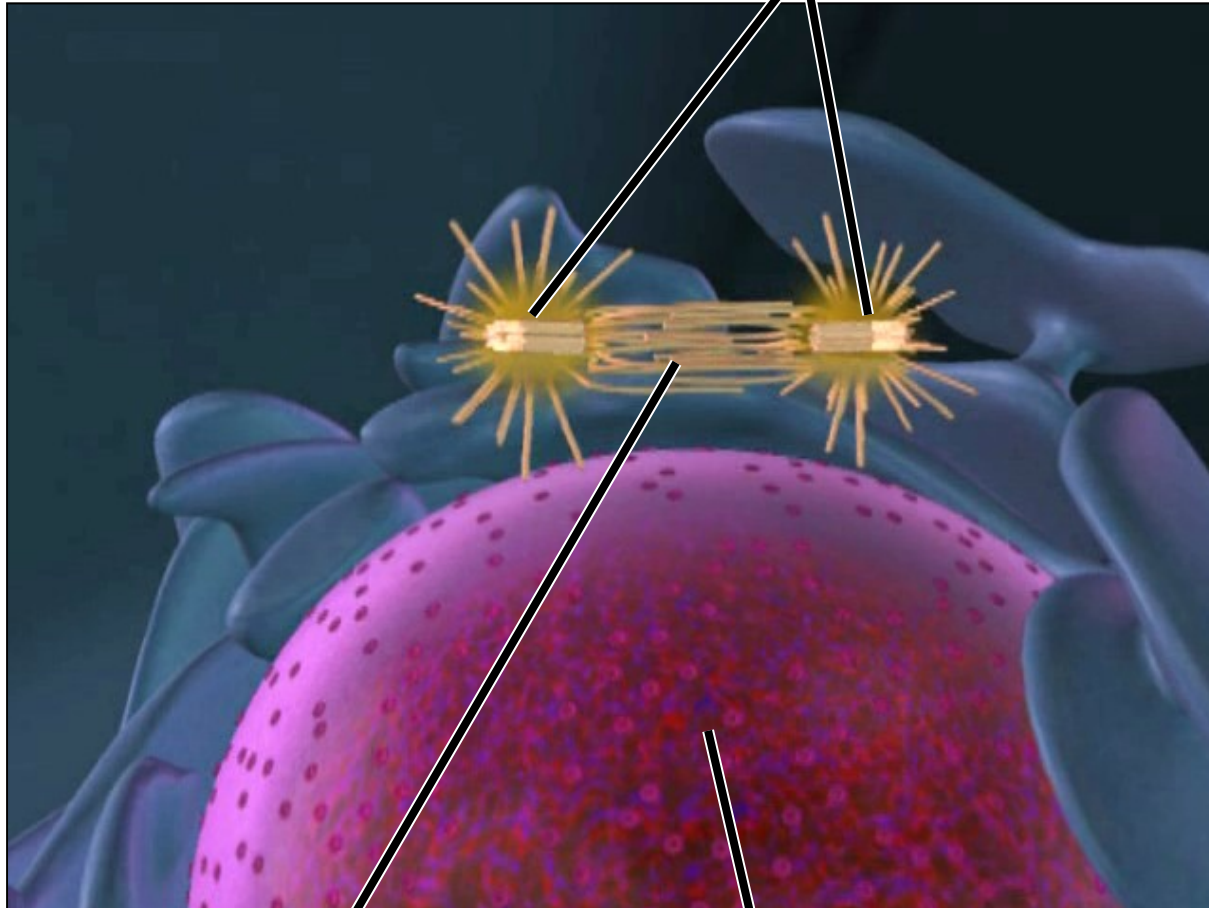
Sister chromatids



Prophase I



Duplicated centrosomes with centriole pairs

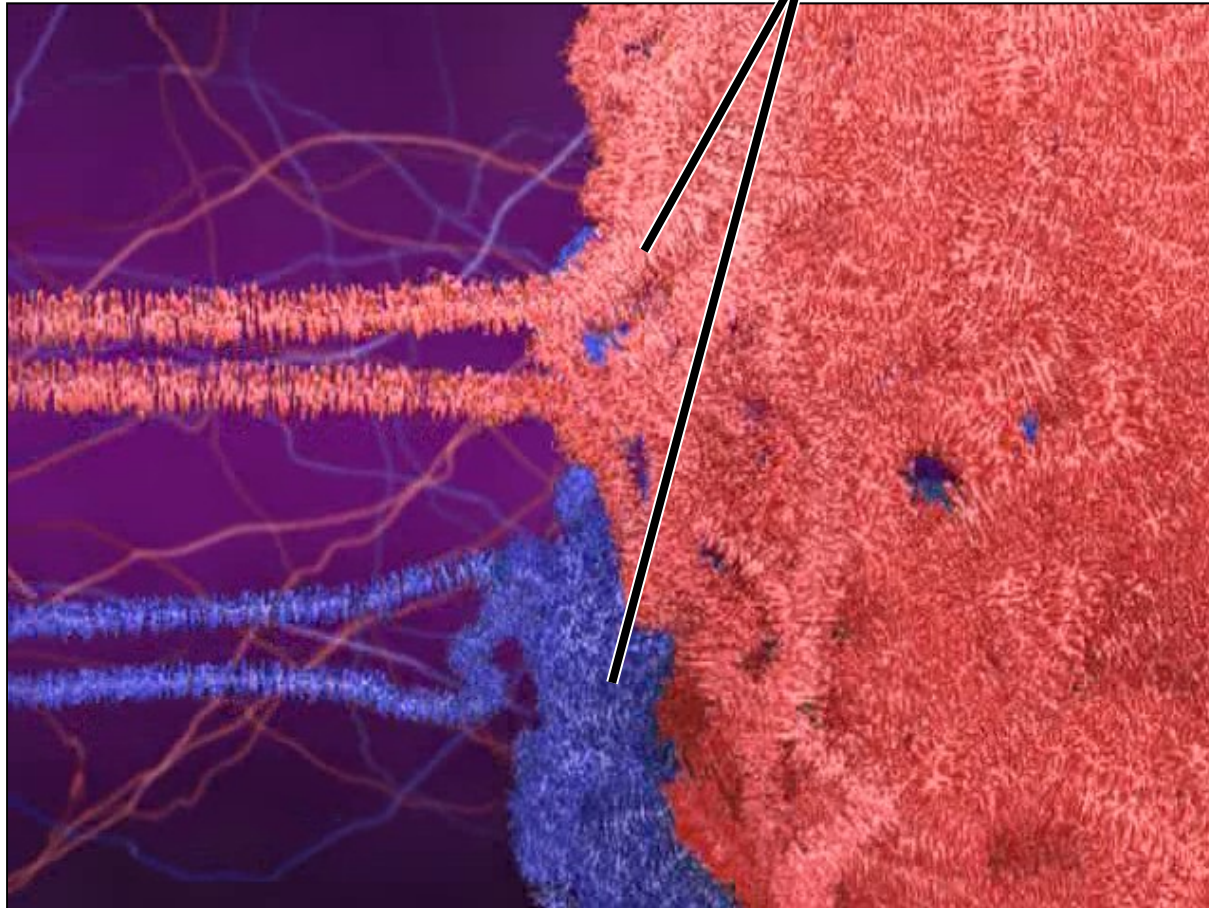


Spindle
microtubules

Nuclear
envelope



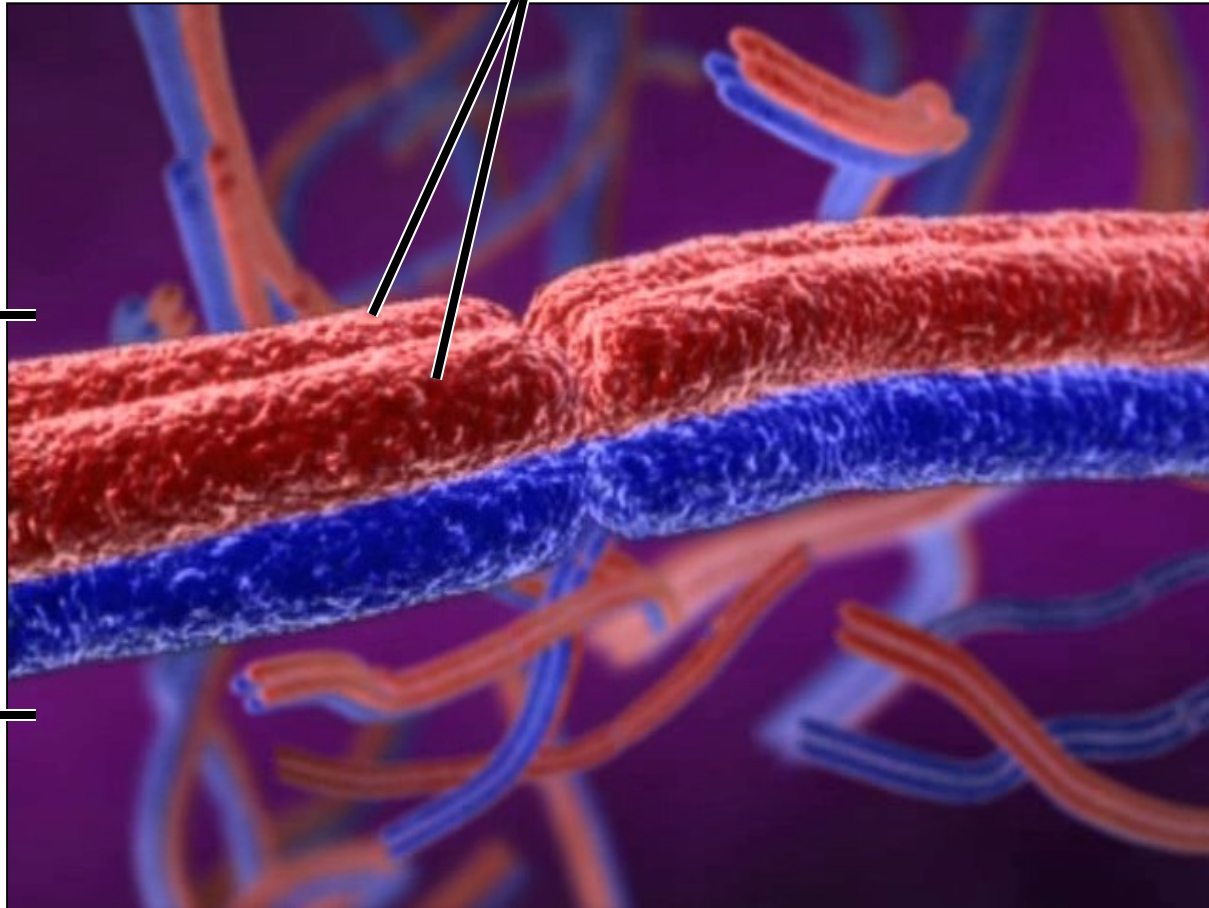
Condensing chromosomes





Homologous
chromosomes

Sister
chromatids

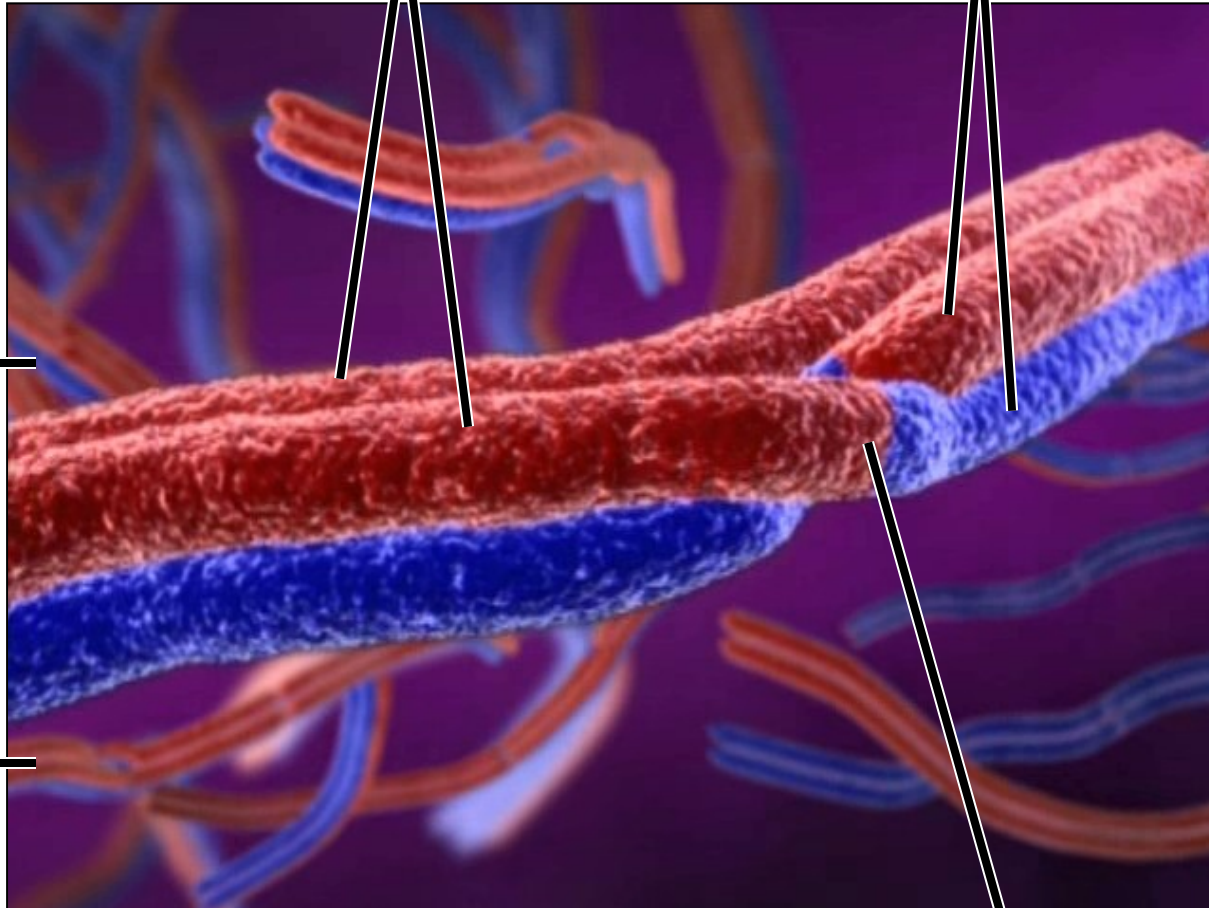




Homologous
chromosomes

Sister
chromatids

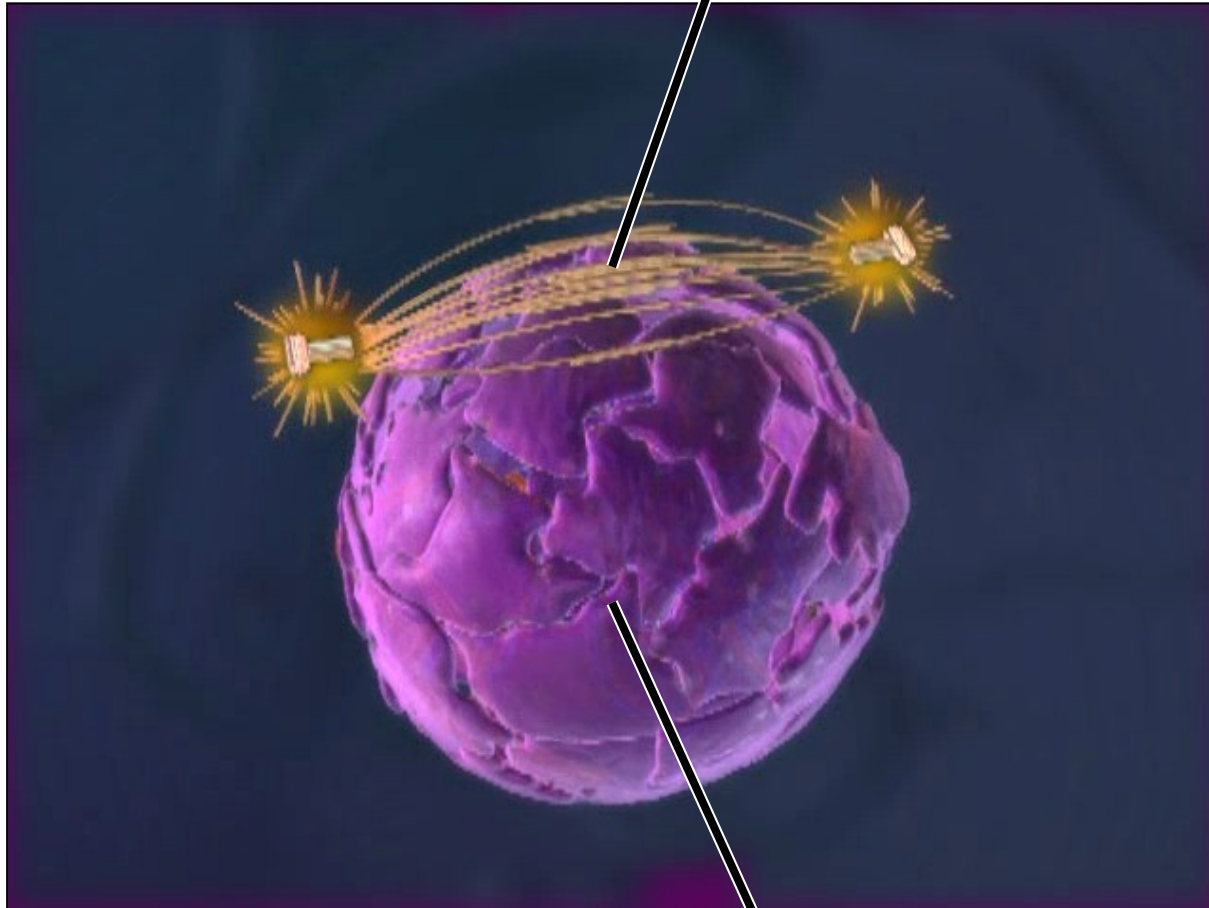
Non-sister
chromatids



Site of crossing over

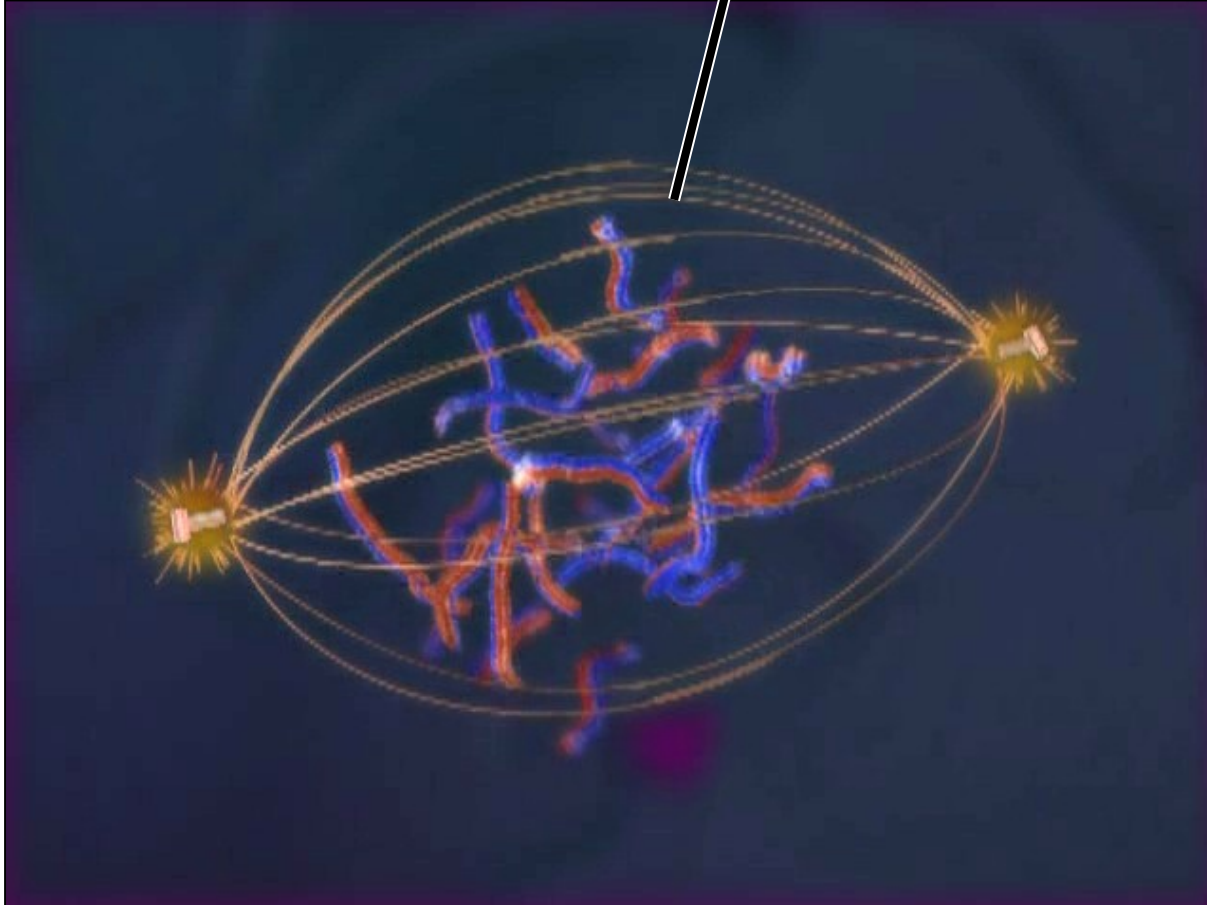


Spindle
microtubules



Nuclear
envelope

Spindle
microtubules

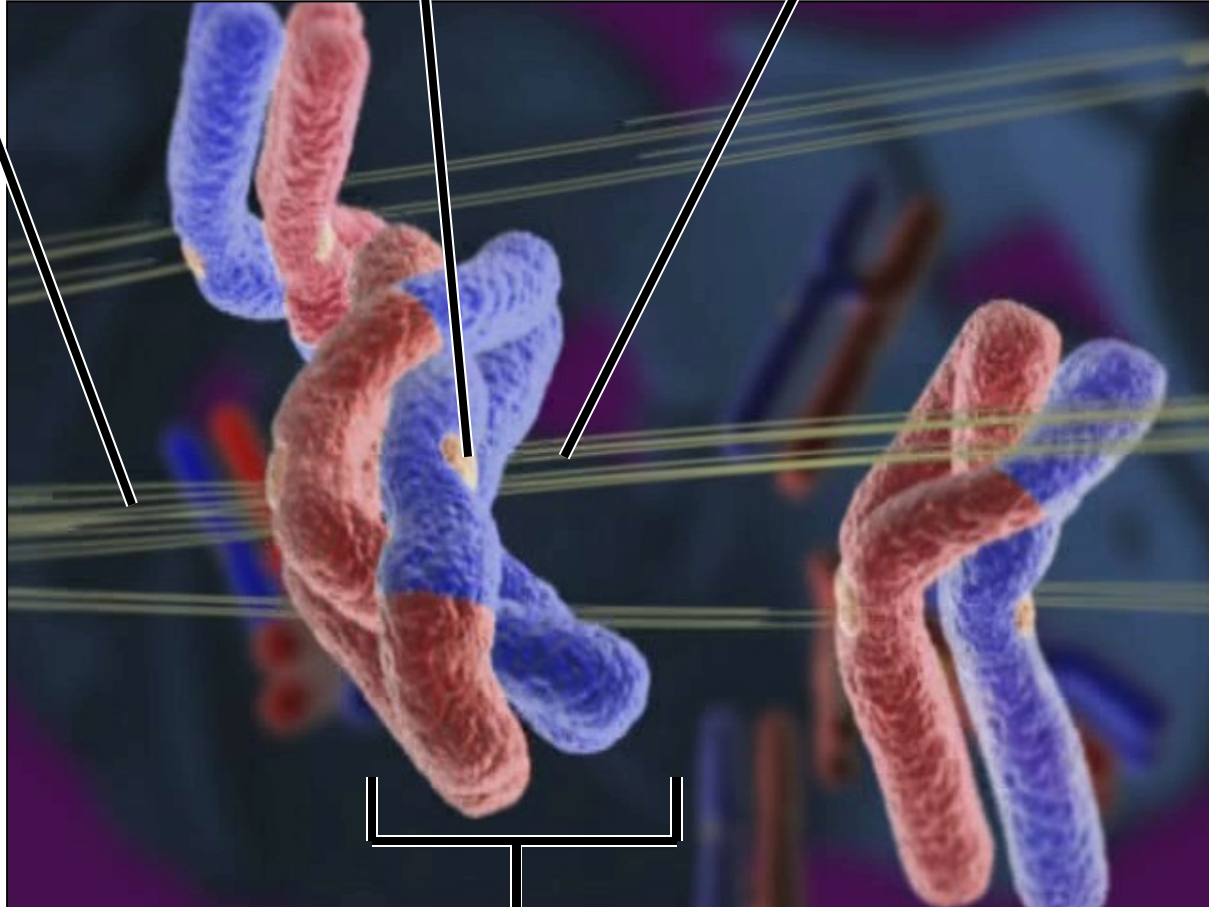




Spindle
microtubules

Centromere

Spindle
microtubules



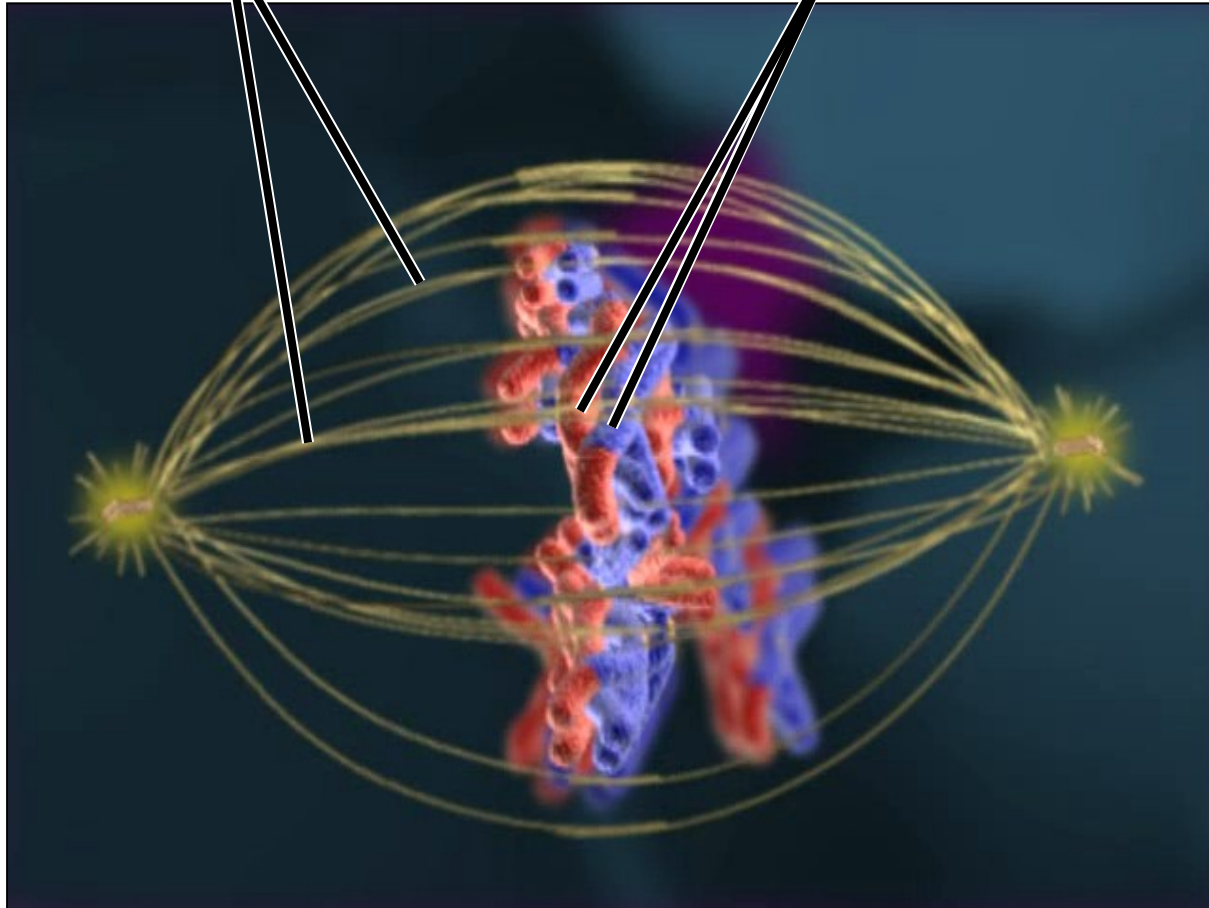
Homologous
chromosomes

Metaphase I



Spindle
microtubules

Homologous
chromosomes

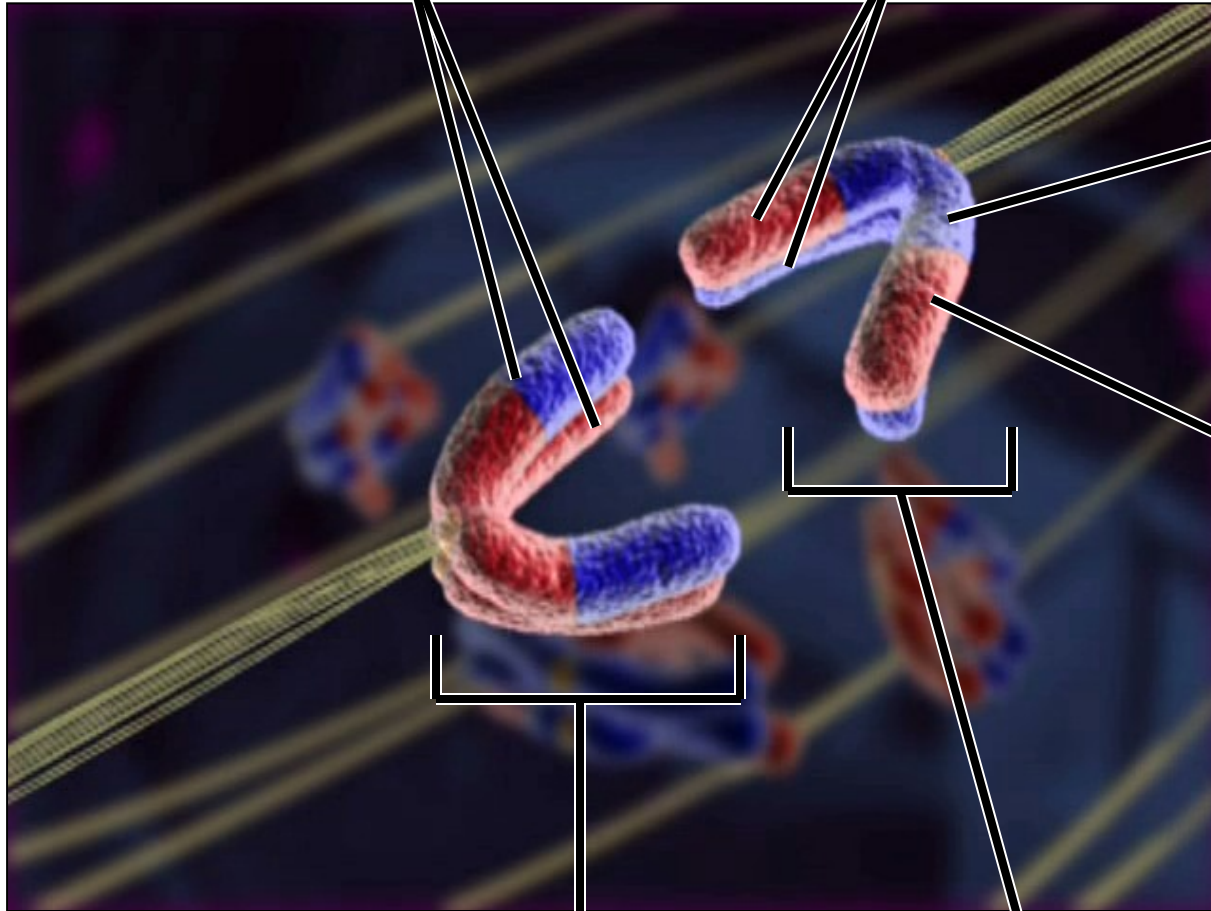


Anaphase I



Sister chromatids

Sister chromatids

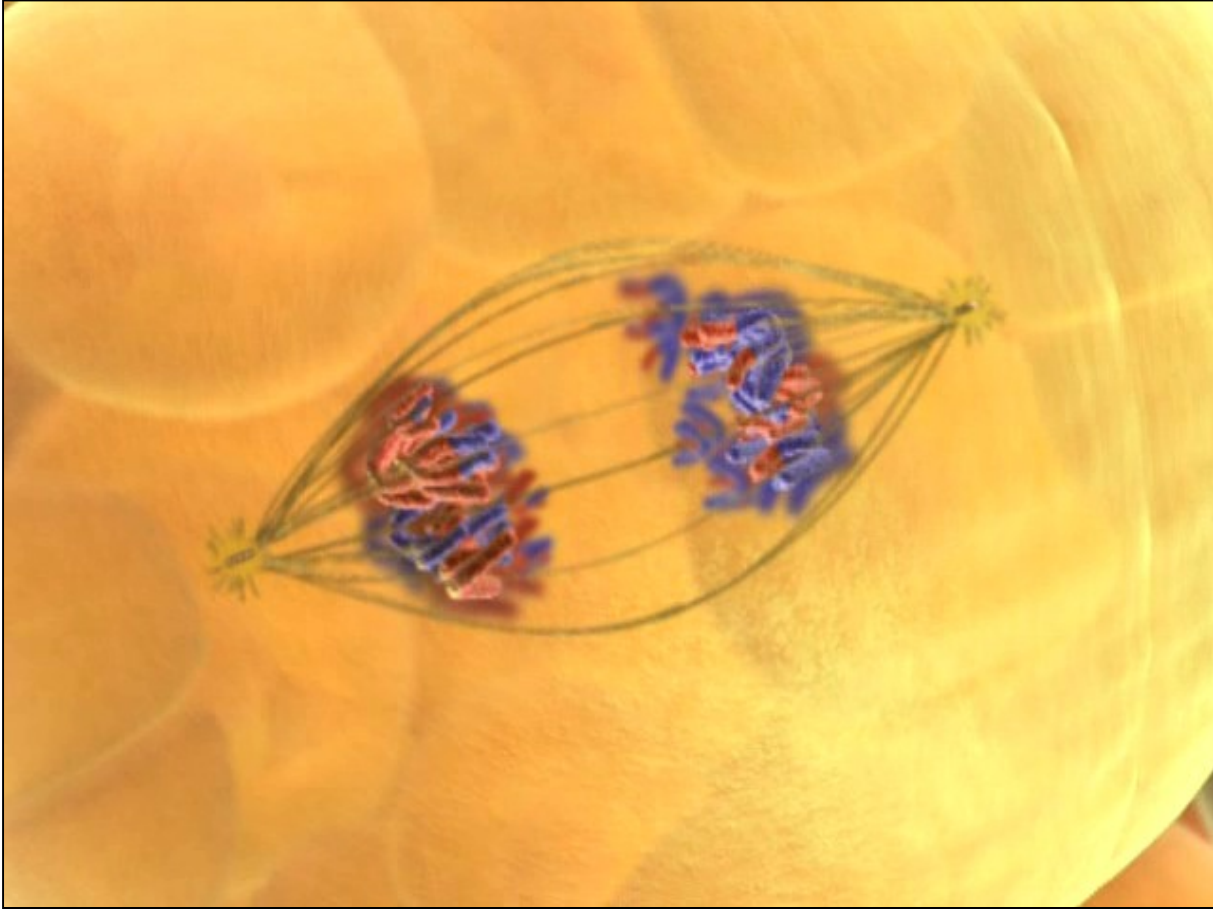


Paternal
genetic
material

Maternal
genetic
material

Chromosome

Chromosome

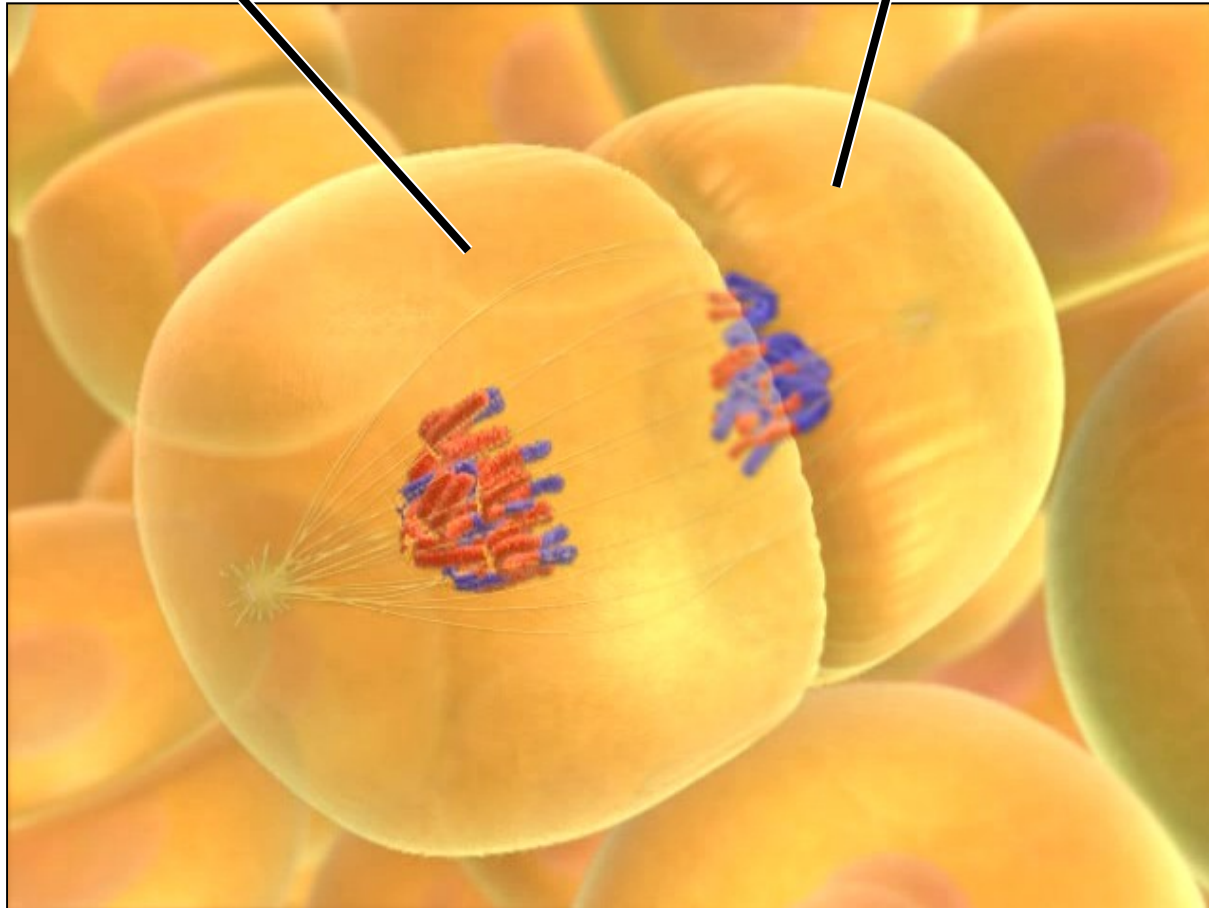


Telophase I & Cytokinesis



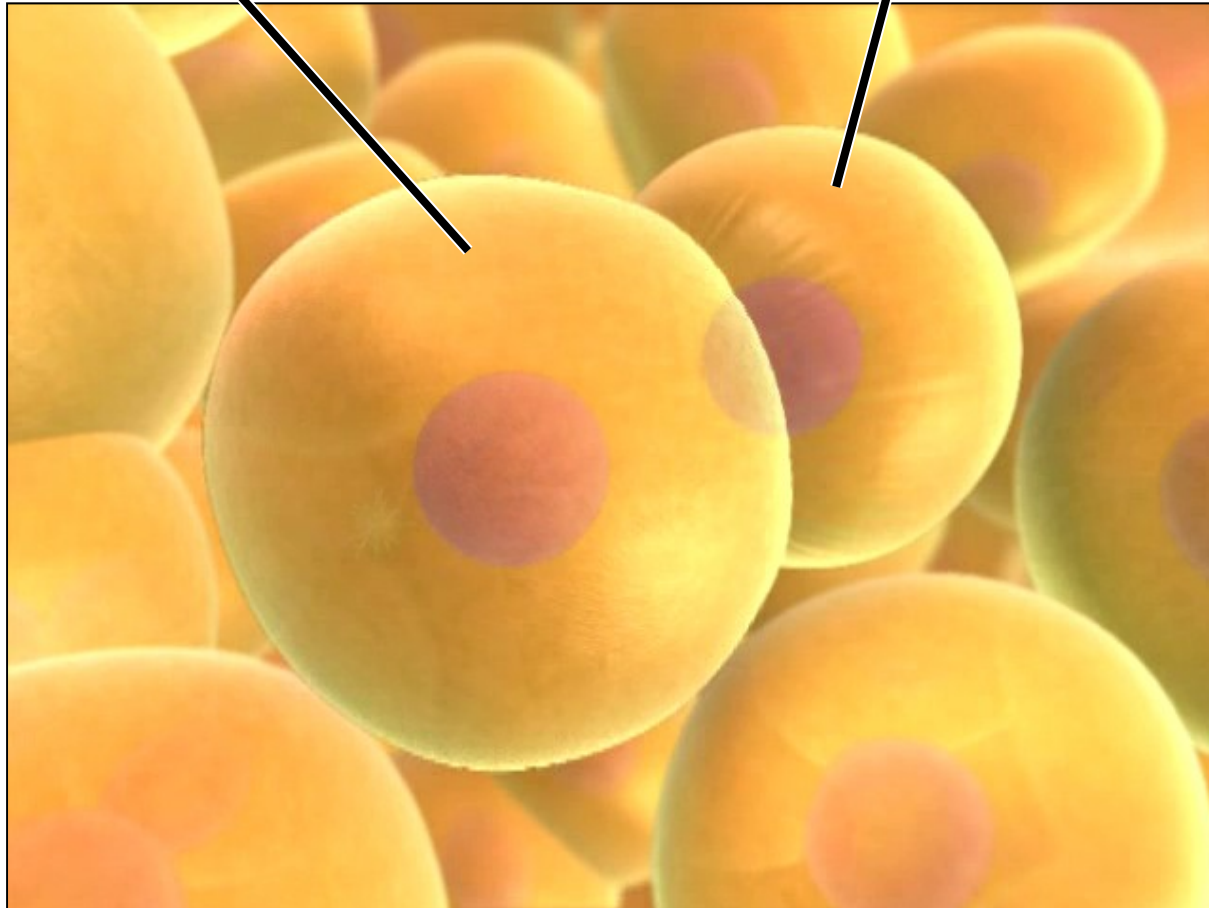
Daughter cell

Daughter cell



Daughter cell

Daughter cell

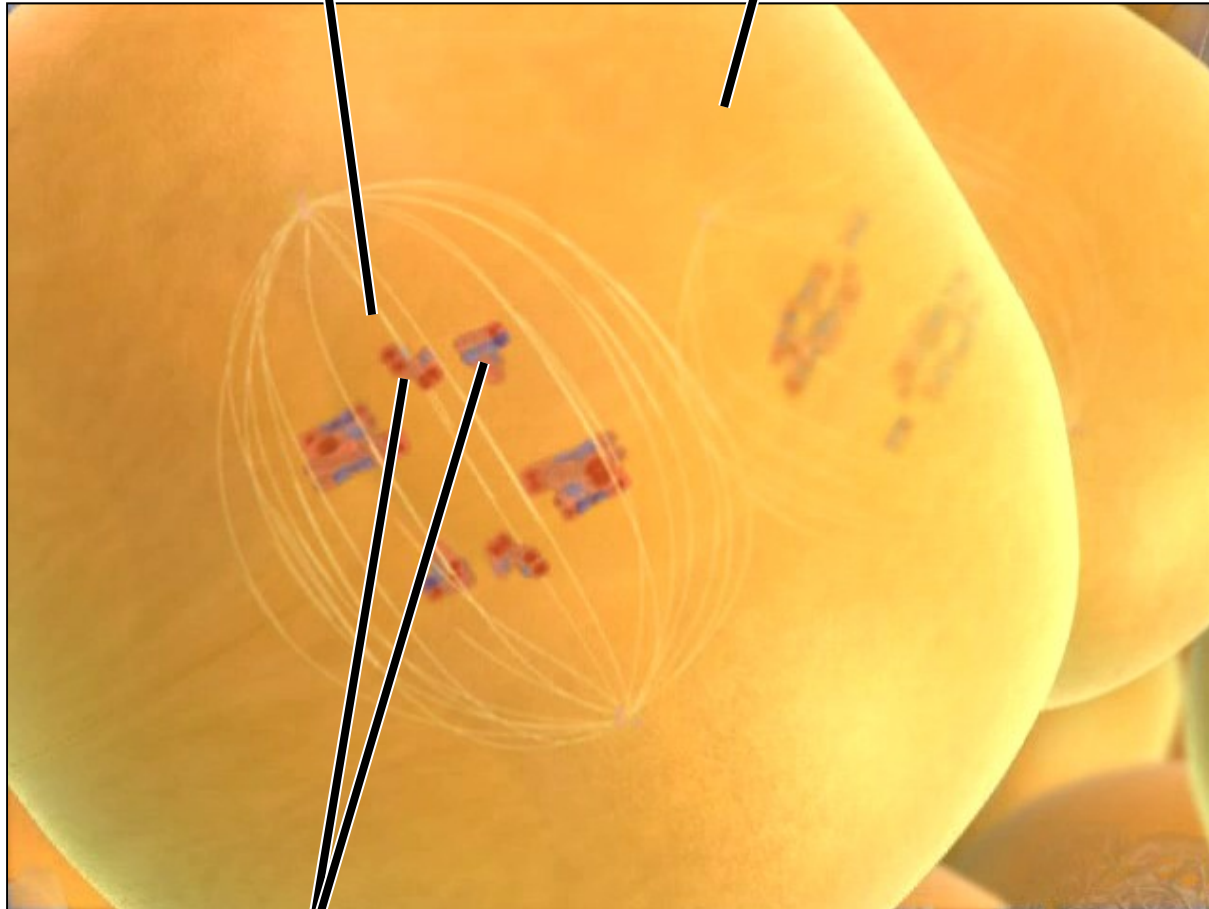


Meiosis II



Spindle
microtubules

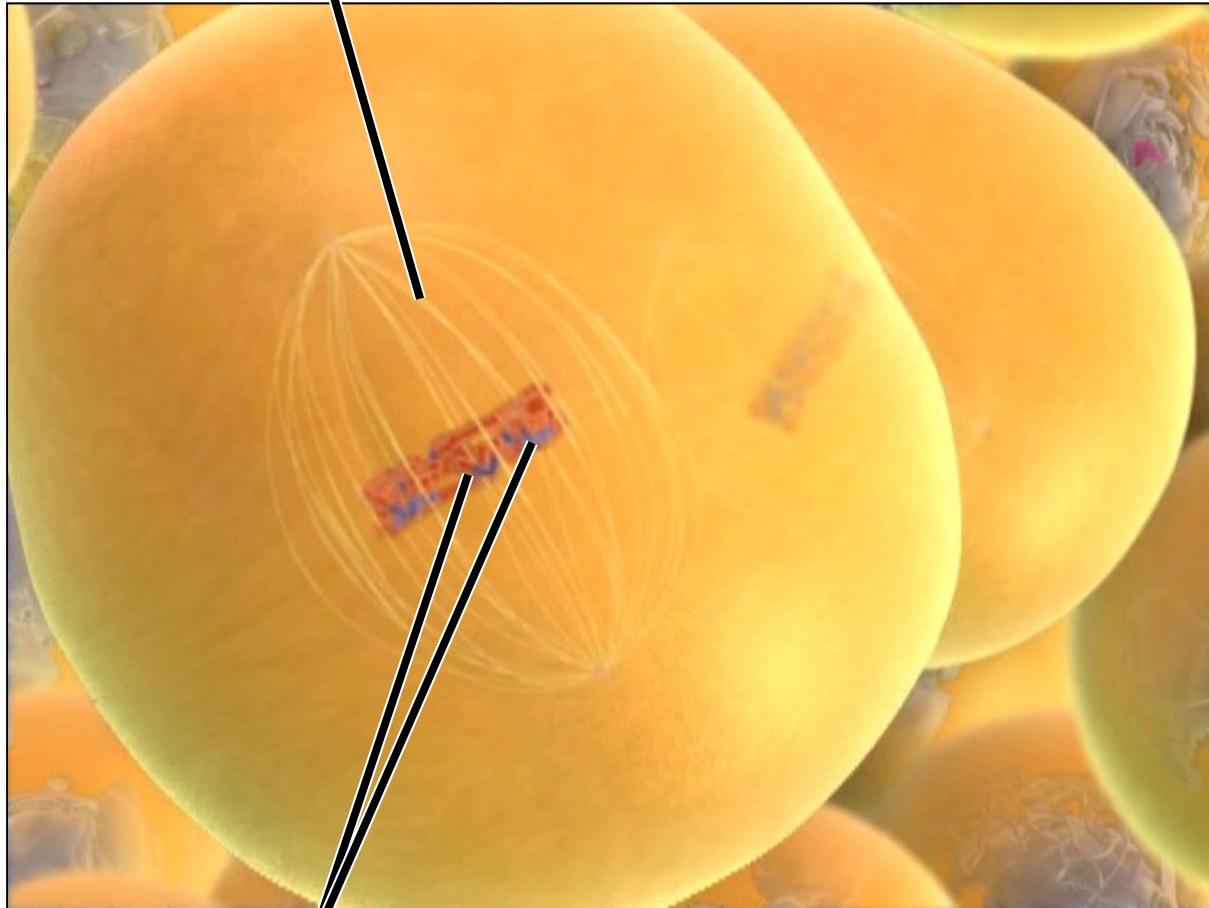
Daughter cell



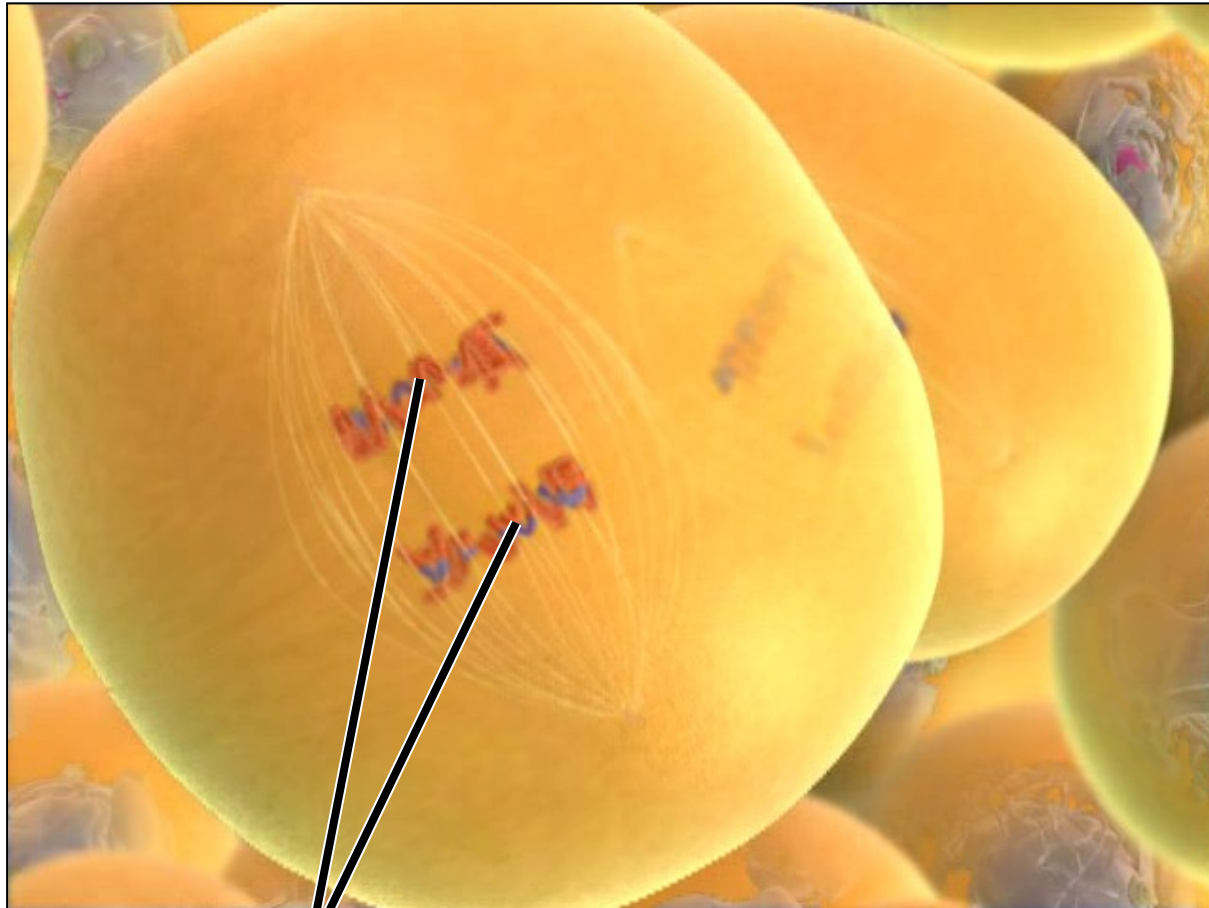
Chromosomes



Spindle
microtubules



Chromosomes

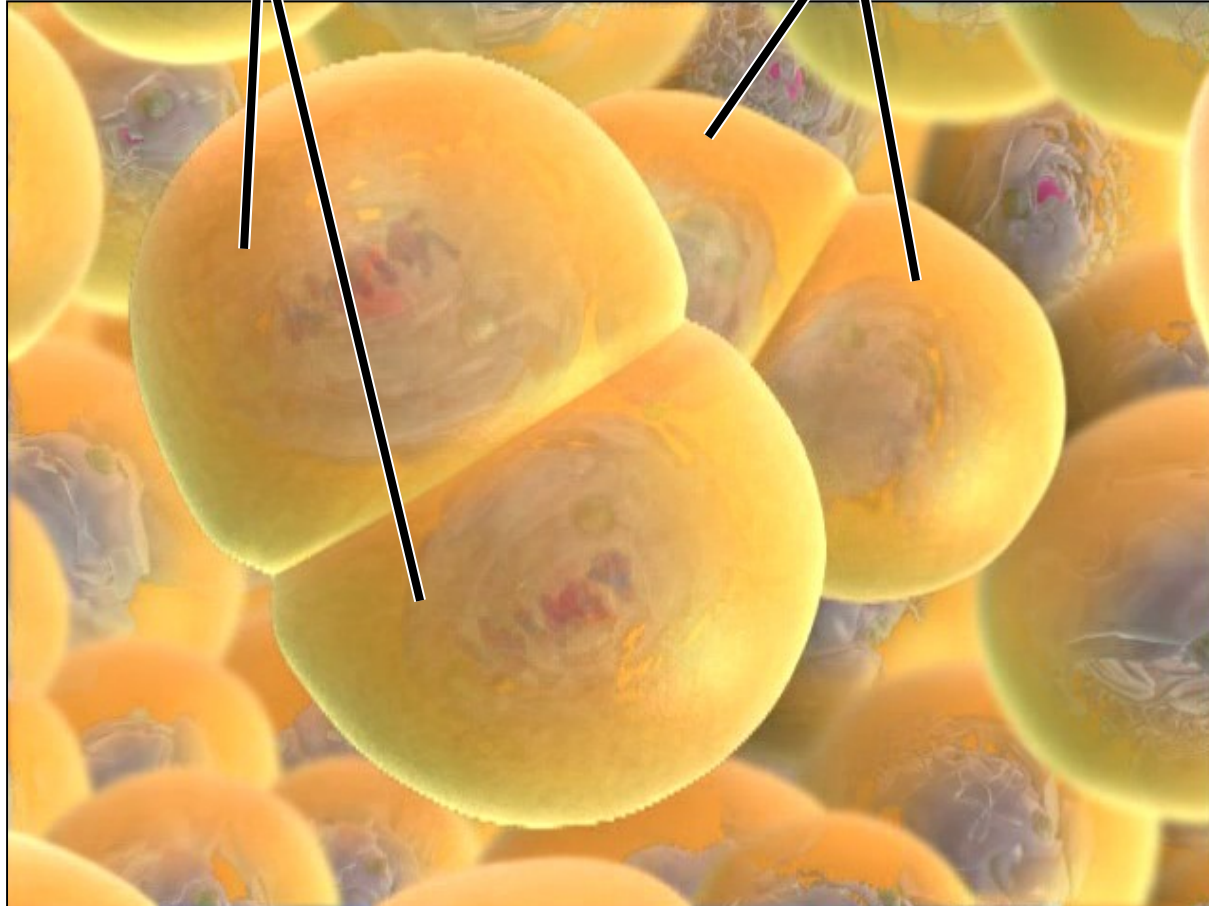


Sister chromatids
separate



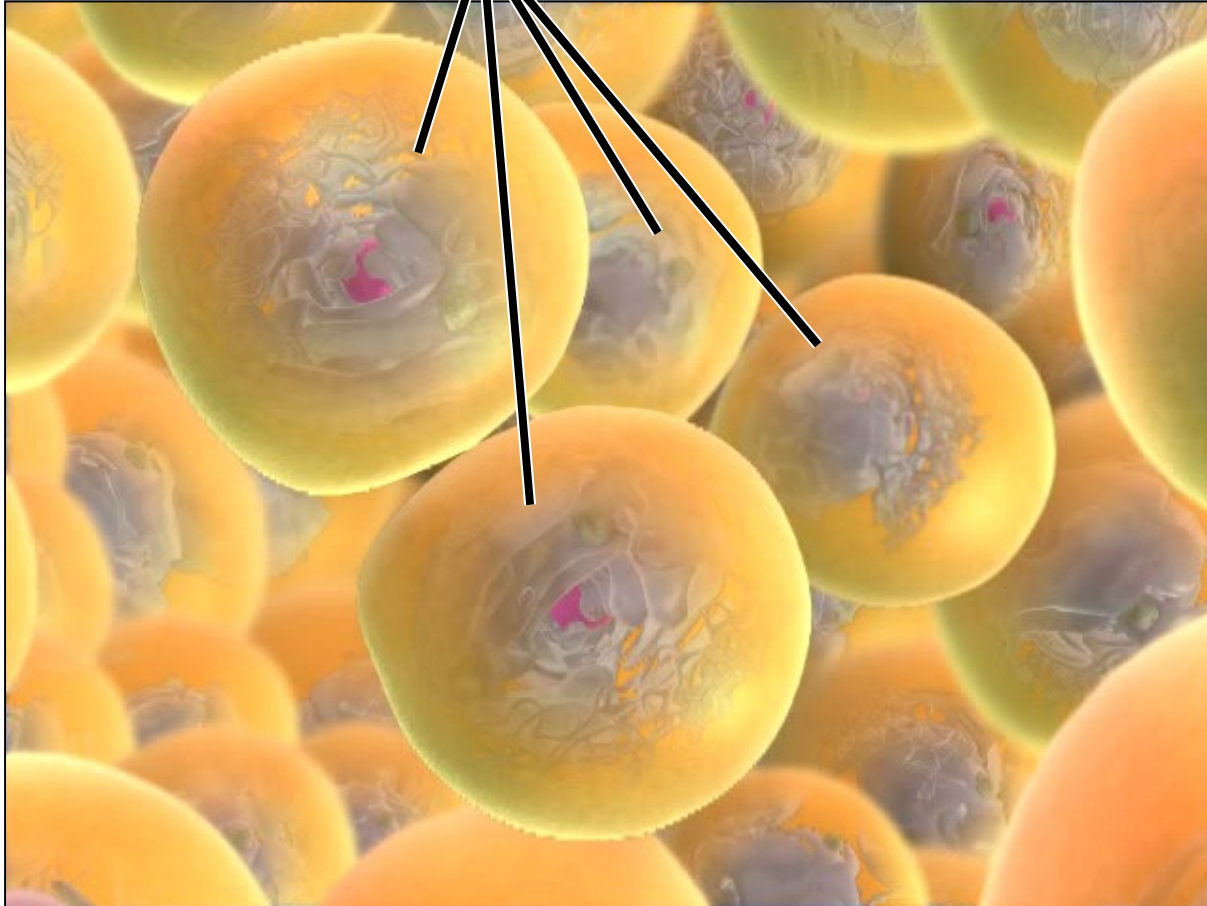
Daughter cell divides

Daughter cell divides





Four haploid cells





Gametes

