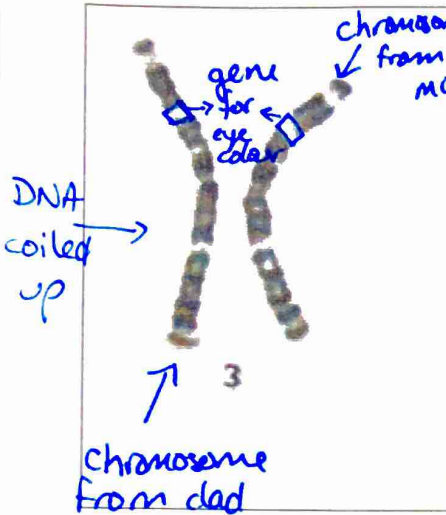


**HEREDITY AND GENES**

Name: Period 5

S1-1-13: How are the terms DNA, chromosome, genes, and trait connected?

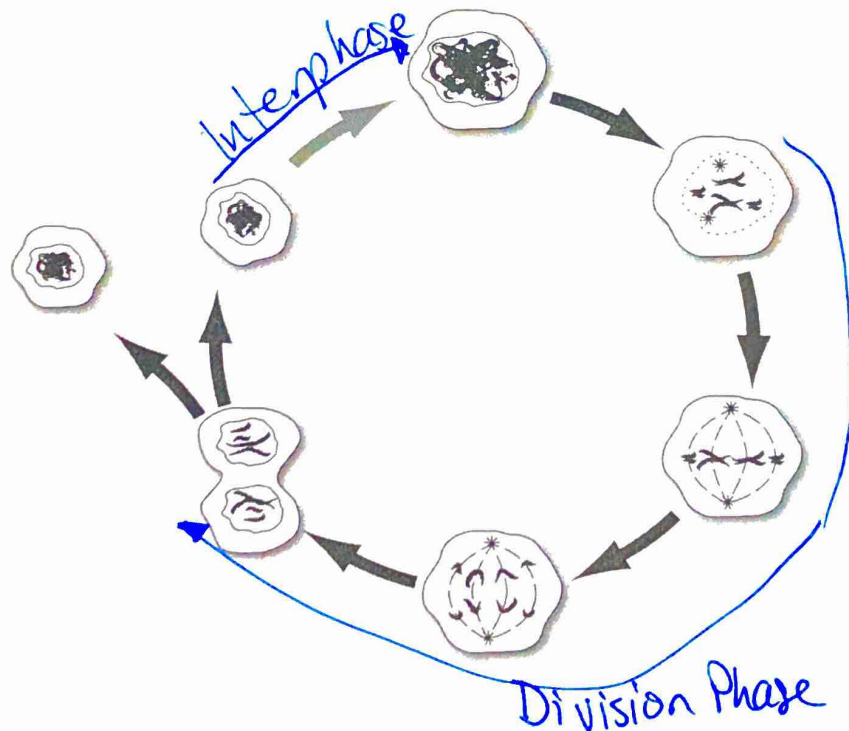
Oct 29



Use the diagram on the left to help explain the following terms:

- a) Chromosome: coiled up DNA in the nucleus.  
↳ 23 from each parent
- b) DNA: all of the genetic information  
↳ instructions for all of one's traits.
- c) Gene: section of DNA that codes for a specific trait
- d) Trait: feature that varies between individuals. Example: eye colour

2. Label the division stage and the interphase in the diagram below.



3. List some facts about each of these stages of cell life.

Interphase → growth  
 → chromosome duplicate  
 → prepare for cell division

Division Stage → cell divides  
 → 2 identical cell produced.