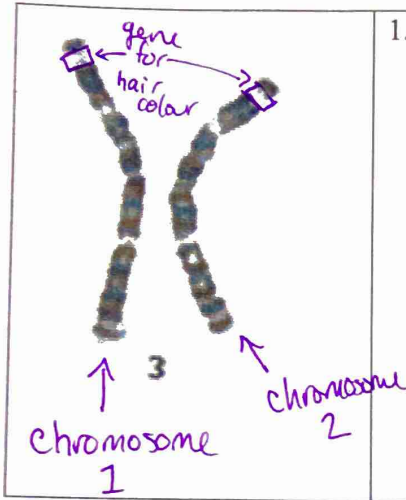


HEREDITY AND GENES

Name: Period 2

Oct. 29

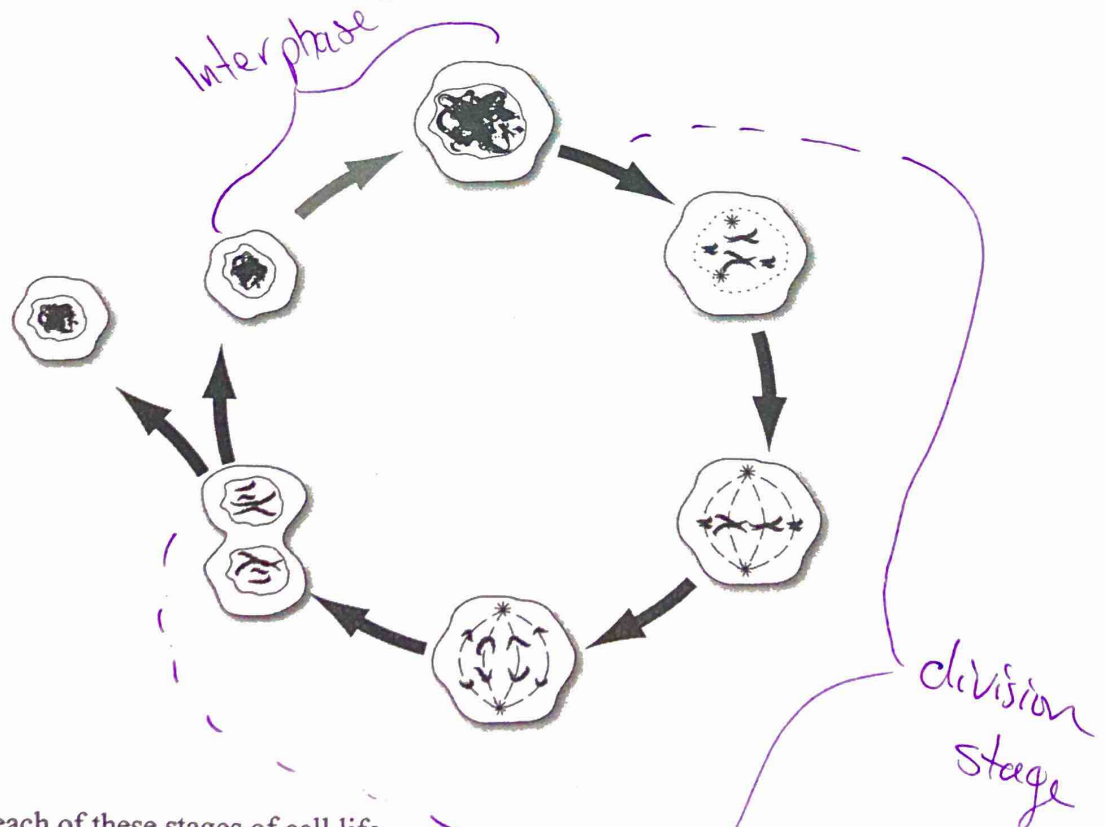
SI-1-13: How are the terms DNA, chromosome, genes, and trait connected?



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

- a) Chromosome: what holds DNA, found in the nucleus.
*humans have 46 → 23 from each parents
- b) DNA: deoxyribonucleic acid; holds the instructions on how to make an organism
- c) Gene: section of DNA that codes for a specific trait
- d) Trait: feature that an organism displays → examples are hair colour, eye colour, height, etc.

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 → longest stage
 → growing
 → preparing to divide

Division Stage → cell is dividing
 → ends with 2 identical cells