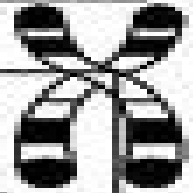


Reinforcement: Human Chromosomes and Genetic Disorders (Ch 15, See Book)



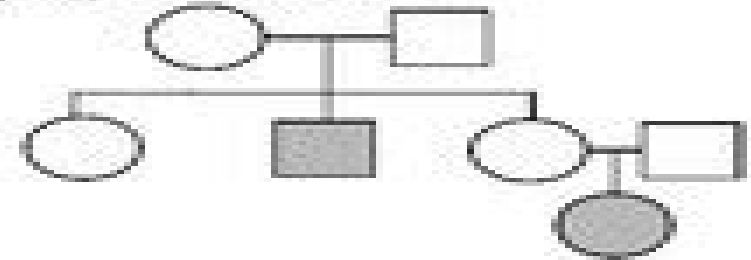
Gonosome	Nondisjunction	Trisomy	Down syndrome
Karyotype	Sickle cell	Celco	Hemophilia
Sex chromosomes	Cystic fibrosis	Pedigree	Cancer
Autosomes	Huntington's	Color blindness	X-chromosome inactivation
Sex-linked gene	Monosomy		

1. A chart that shows the presence or absence of a trait within a family: _____
2. Recurrent disease caused through to build up in the lungs that can lead to infections: _____
3. Describe a condition where a chromosome is missing from a cell: _____
4. These chromosomes determine the sex of an individual: _____
5. A sex-linked disorder that makes you unable to see certain colors: _____
6. When homologous chromosomes fail to separate during meiosis: _____
7. A gene located on the sex chromosome: _____
8. The 46 human chromosomes that are not sex chromosomes: _____
9. The human _____ is the full set of genetic information that a human carries in its DNA.
10. Show a complete diploid cell of chromosomes grouped together in pairs and arranged by size: _____
11. The process by which one of the copies of the X chromosome is inactivated: _____
12. Describe female cells that have black and orange coat patterns: _____
13. A disorder where a baby will have an extra chromosome (21): _____
14. A person who has one copy of a mutated disease causing gene, and has no (or few) symptoms: _____
15. An autosomal recessive disease caused by a point mutation in the huntington beta gene (HBB): _____
16. An X-linked recessive hereditary blood clotting disorder that usually only affects males: _____
17. _____ is a disease caused by a dominant allele for a protein found in brain cells causing tremor.
18. A condition where there is an extra chromosome in a cell: _____
19. Examine the image shown below:



What is the image called? _____
 What disorder is shown? _____

20. Examine the image showing the inheritance pattern of cystic fibrosis (a recessive genetic disorder). Write the genotypes of each individual.



How many children did the original couple have? _____
 How many grandchildren do they have? _____

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LP Steffe



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