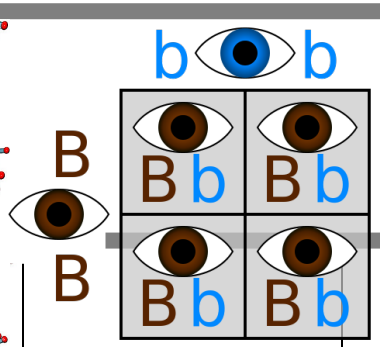
Life 7
Genetics 2

Science 8 December 2019

Mrs. Plyter plyter.com/science



Name Period

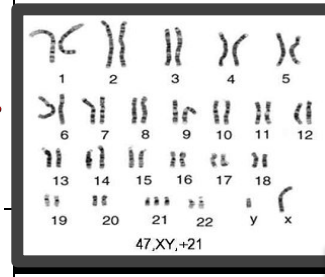
Thu

3

Karyotyping:

Make a Karyotype
Science→Life→Genetics
Have screen checked.
_____

Karyotyping Handout:
_____



The Karyotype ↑↑
_____ (normal /abnormal?)
_____(human/other?)
_____ (♂ or ♀?)
_____(male or female?)
with a diagnosis of
_____.
Doctors would write the notation as____, ____, ___

If Time:

Karyotyping Activity:
Science→Life→Genetics
+ handout. _____

Punnett Squares:

How are Traits Passed to Offspring? Science→ McGraw Hill +
+ Handout _____

Genetics Problems:

Science→Life→Genetics
Check as you go + Screen Check
Monohybrid Cross + Testcross
_____

If Time: Continue↑ _____

Rabbits ↑↑
a) Offspring Probability:
___% Round ___% Slim
b) Dominant:
Round or slim? _____

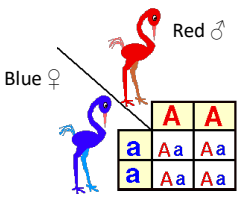
4

Punnett Squares:

Punnett Squares Handout.
_____
Science→Life→Genetics
Color Arrangement Test___
BOGO Sex Linked Traits.___

Family Pedigree Tree Part 2:

Traits + Additions
1. Trait Key: 1 ea ___/5+
2. Traits: ¼ pt ea ___/5+
3. Family Trait or Disorder Trait 5 ea ____/5+
4. New People ____/5+



Flamingos ↑↑
Red = A Blue = a
a) Offspring Probability:
____% Red
____% Blue
b) Male Parent:
Red or blue? ____

5

Human Genomes:

Genetic Disorders Handout
Handouts + Posters +Text + Online
1) Down Syndrome.
2) Sickle Cell Disease
3) One from assigned chromosome.
4) _____ If time: Do More

6

Central Science Page

plyter.com/science
Practice Tests→MyGradebook
Plyter20 Student #
McGraw Hill Rubber Duck Ask!
How are Traits Passed… + Handout.

Central Science → Life Science → Genetics
Make a Karyotype
Genetics Problems (If TIme..More)
BOGO Sex Linked Traits…Hemophilia
Color Vision→Color Arrangement Test

If Time—If you haven't **Genetcs→**
Karyotype Activity + Handout _____
Rutgers Virtual Lab Karyotyping _____
Fruit Fly Interactive -Ask _____
Bill Nye Video Clips_____
What is a Chromosome? _____
Click and Clone _____
Cloning or Not? _____
McGraw Hill → BrainPOP Heredity _____
Vintage iMac: DNA Workshop Activity___
Google Page→Google Classroom
Class Code: yzbzxn
Genetics Timeline _____
Discovery Education 24yearlastf -Stu #

Points

Objective Grade

Calendar

Karyotyping

Punnett Squares

Family Pedigree

Extra

Quiz Points:
Write Score.
Initial in Color.

Mon _____

Tue _____

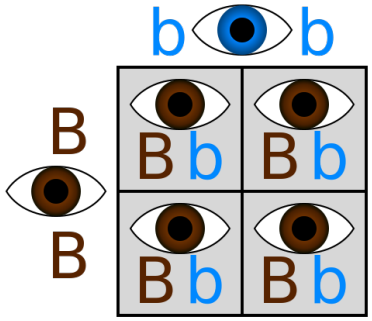
Wed _____

Thu _____

Total _____

What2Learn
Initial in Color

Fri _____



OBJECTIVE:

Write the Objective:

Your Grade for Last Week:	Yours	Required
Objective + Grade	____	10
Calendar	____	10
Offspring	____	10
Family Pedigree Tree	____	17
Prefixes	____	10
Quiz + What2Learn	____	17
Extra	____	
Total	_____	74

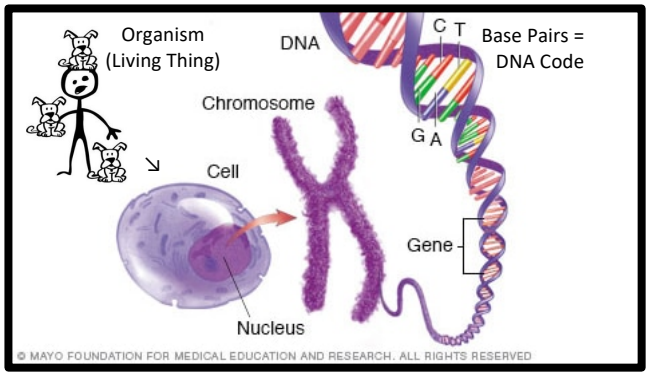
Yours / Required X 100 = your %

____ / __74__ X 100 = _____%

Look up your % in Gradebook ____%

Last week your % was _____ (↑or↓?)
from what you have in the gradebook?
By how many % points? _____

Look for blanks & Labels on Calendar!
Hand in Late! Do "If Time".



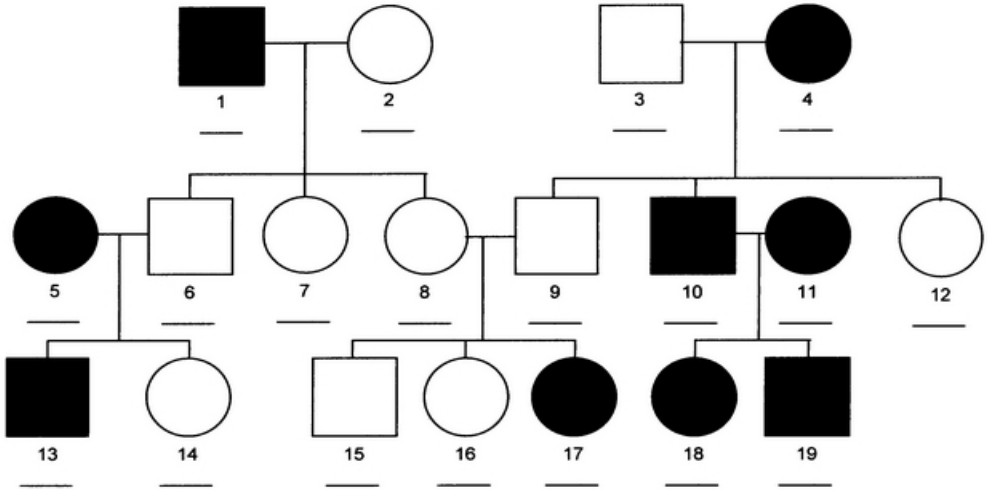
From YOU, or any organism, TO YOUR (or their) DNA Code:

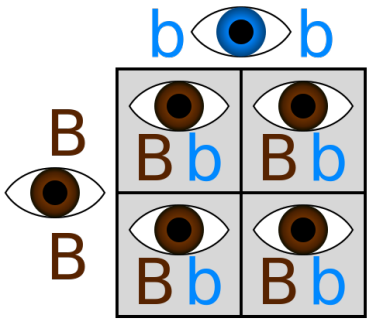
← **Use the diagram at left for help. Fill in the structures, in order, from larger to smaller.**

_____s are made up of _____s , each of which has a _____ where the _____s are found and made up of coiled _____, which has sections called _____, which can be divided into the DNA _____, made up of _____, which are abbreviated by the letters ___, ___. ___ and ___ .

Label this Family Pedigree→
as if it were yours. →

__1) Using relationship terms.
__2) Label #8 Mom.
__3) #9 is Dad.
__4) # 15 or #16 should be you ("Me").
__5) The color means a trait. Ignore for now.





OBJECTIVE:

Use Punnett Squares and Karyotype models to understand that in sexual reproduction organisms have multiple pairs of chromosomes (50% from each parent) that contain the information for the type of organism and its traits (characteristics).

(MS-LS3)