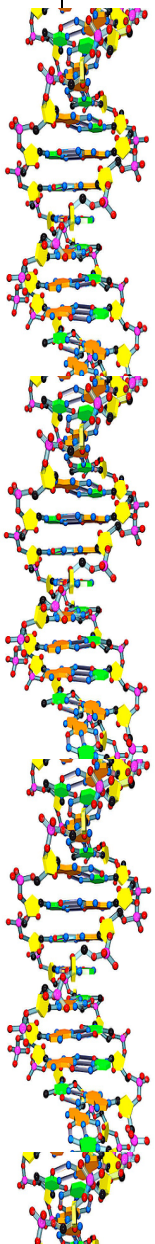
Happy Holidays!

Life 9 - Genetics 4

Science 8 December 2018 Mrs Plyter plyter.com/science

Name Per



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Mitosis - Meiosis

Cell Division or
Cell Reproduction

Online:
Science→Life→Cells→
Mitosis (Bill Nye Discovery)
Mitosis Live __
Mitosis & Meiosis
Teacher's Pet _____

Mitosis Handout ___

Make a Mitosis Movie
Have the screen checked.
_____

If Time:

Science→Life→Cells→
__Mitosis Abnormal __
__Mr. W's Mitosis __
__Mr. W's Meiosis __
__Onion Root Tips
Mitosis ___

iMac –
DNA Workshop__

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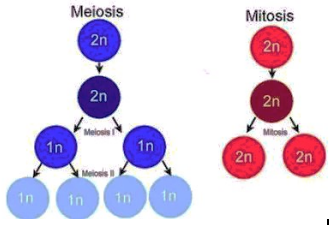

N = Pair of Chromosomes
1N = Sexual 2N = Asexual

Meiosis or Mitosis?

Handout _____

Life→Cells→
One is Not the Loneliest___
Science →McGraw Hill
Mitosis BrainPOP_____

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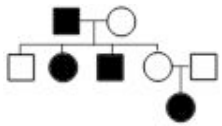
The Human Genome:

Genetic Disorders:
From Last week.
1) DO Write References.
2) Do NOT fill in a blank if you don't have the answer!



Family Trait

Family Tree Points!
Add at least one Family Trait and/or Defect Trait.
5 each_____
New additions _____

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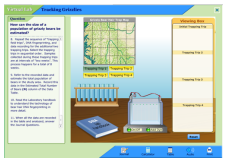
Genetic Fingerprinting: How Many Grizzlies?

Google Classroom
(A Paper Version is available.)

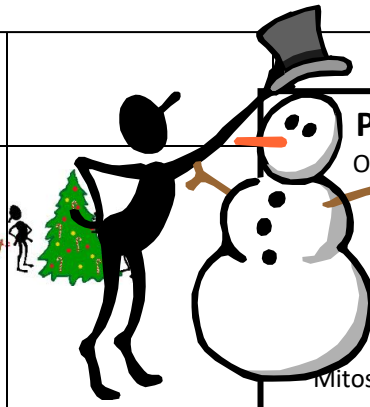
How many **different** Grizzlies?



If TIme

Genetics Timeline

Google Classroom
Move images in order.
Double-click on an image to read the text.



Ask!
Help with the Rules for the
Paper Mouse Change Over Time Game.

Points
Objective
Grade

Calico Cat

Mitosis - Meiosis

Human Genome

Family Traits.

Genetic Fingerprinting

If Time:

Quiz Points:
Write Points. Initial in Color

Mon _____
Tue _____
Wed _____
Thu _____

Total_____

What2Learn
Write Points. Initial in Color
Fri _____

Central Science Page plyter.com/science

Discovery Education 24yearlastf Student #
Google Page→ Google Classroom
McGraw Hill Rubber Duck
Practice Tests→MyGradebook plyter20 Student #

Life Science→ Cells→ Mitosis & Meiosis Videos and Apps
Genetics→
iMac Desktop→ DNA Workshop → 2 Activities

OBJECTIVE:

To better understand heredity and reproduction by

a) Modeling Mitosis.

b) Modeling Genetic Fingerprinting. LS3.B

OBJECTIVE:

Write the Objective: _____

Your Grade for Last Week:

	Yours	Required
Objective + Grade	____	10
Calendar	____	10
Family Pedigree	____	5
DNA Model	____	10
DNA LAB	____	20
Human Genome	____	5
Quizzes	____	28
What2Learn	____	10
Extra	____	
Total	_____	98

Yours / Required X 100 = your %

____ / 98 X 100 = _____%

Look up your % in Gradebook ____%

Up or down? _____

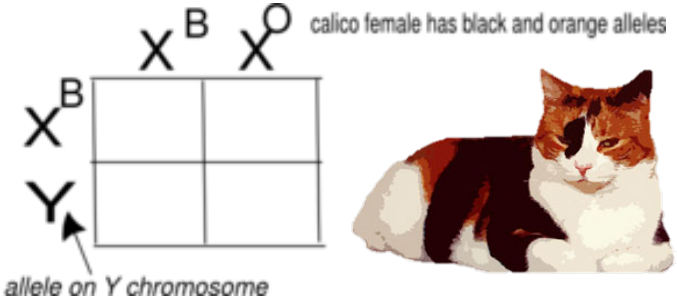
Another Sex-Linked Trait: Why are Calico Cats Female??

Background:

1) Calico cats have both yellow and white fur, usually on a white fur base.
2) Color is a gene (allele) on the X chromosome. That means the female can get 2 copies, while males get only 1 copy.
3) The color trait is co-dominant, meaning if the gene allele for the color is present it will show.

Assignment:

1) Fill in the Punnett Square→.
2) Write the probability %'s →.



B = Black fur
O = Orange fur
Probabilities:

Male or Female?	Color	%
	-	