

LIFE 9 GENETICS 4

Science 8 January 2018
Mrs Plyter plyter.com/science

Name _____

Per _____

Thu



Points
Objective+

11

12

Mitosis Videos

Mitosis Movie

If Time

Online Genetics:
Pigeonetics
1 pt per slide
Screen Check!

Mitosis/Meiosis
Handout

Human Genome
+ Assigned

Genetics
Timeline Google Classroom
Move objects in order.
10 _____

Family Trait
Last Chance for Family Tree Points!
Add at least one Family Trait and/or Defect Trait to your Family Tree.
5 each _____

Organism	Number of chromosomes
pea plant	14
sun flower	34
cat	38
puffer fish	42
human	46
dog	78

Genetics Timeline

Family Pedigree
Tree
Family Trait

Quiz Points:
Initials-Color

Mon _____

Tue _____

Wed _____

Thu _____

Fri _____

Total _____

8



Mitosis/Meiosis

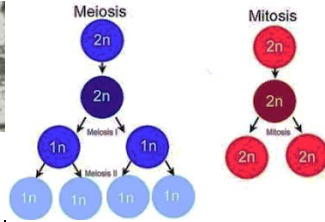
Watch 3 Videos:
Science→Life→Cells→

Have the screen checked. Or save a screenshot or photo.

- Mitosis & Meiosis Teacher's Pet _____
- Mitosis Live _____
- Mitosis Abnormal _____
- Mr. W's Mitosis _____
- Mr. W's Meiosis _____
- Science → McGraw Hill ConnectEd--> Mitosis BrainPOP _____

Make a Mitosis Movie
Have the screen checked.
10 _____.

9



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

Meiosis or Mitosis?

In Class Handout 10 _____

If Time:

Onion Root Tip Mitosis
+ Screen Check _____

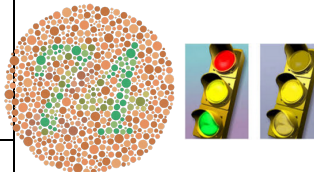
10

Human Genome: Genetic Disorders Handout

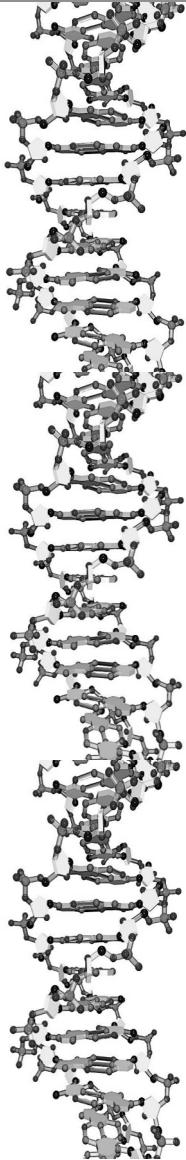
- Start with Down's Syndrome using Handouts.
- Continue with Handouts and/or Online links
- Life→Genetics Page→ **Chromosome Map**

5 pts each 10+ _____

Your Assigned Chromosome: # _____
Life→Genetics Page→ **Chromosome Map**
Human Genome Poster
10 points 10 _____



ColorBlind?
Sex-Linked Trait
In Class Punnett Squares



Central Science Page plyter.com/science

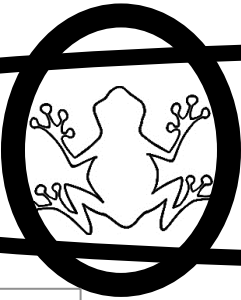
Google→ Google Classroom

McGraw Hill ConnectED→ Mitosis BrainPOP

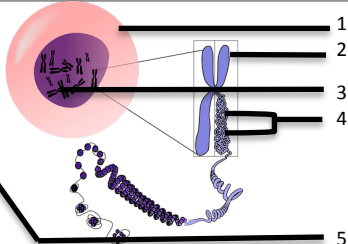
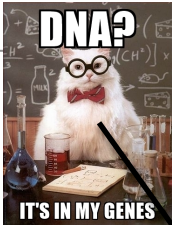
Life Science→

Genetics→ Chromosome Map The Tech DNA Pigeonetics Human Genome Poster

Cells→ Mitosis and Meiosis Mitosis Live Mitosis Abnormal Mr. W's Mitosis Mr. W's Meiosis Make a Mitosis Movie



OBJECTIVE:

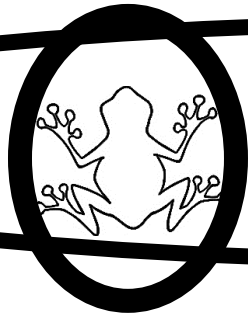


1. Gene
2. Chromosome of DNA
3. Base Pair of AT or CG
4. Cell
5. Nucleus
6. Organism
7. Tissue
8. Organ System

Write in order from largest to smallest.
Label those that are in the above images.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Write the Objective:



OBJECTIVE:

To better understand cell reproduction (mitosis and meiosis) and the resulting likenesses and variation (differences) that result in offspring from asexual and/or sexual reproduction. (MS-LS3)