

LIFE 8 GENETICS 3

DECEMBER 2019

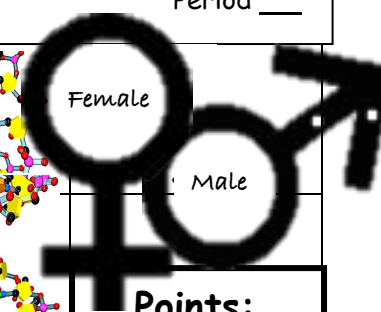
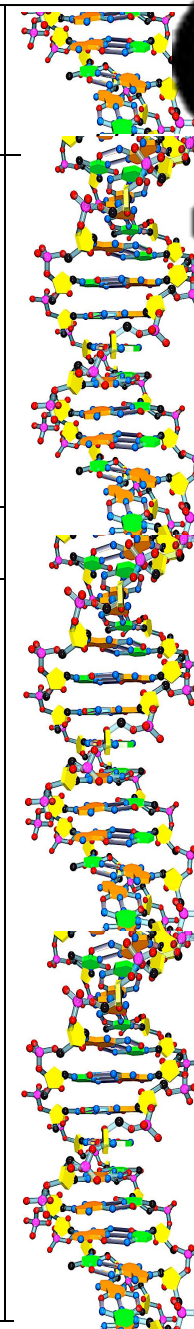
SCIENCE 8 MRS. PLYTER

PLYTER.COM/SCIENCE

Name _____

Period ____

Thu



Female

Male

Points:

Objective + Grade

Family Pedigree

DNA Model

DNA Lab

Human Genome

Calendar + Videos

Quiz Points:

Initial in Color

Mon _____

Tue _____

Wed _____

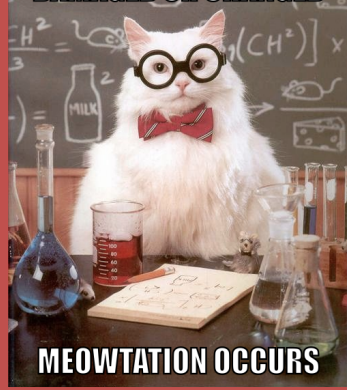
Thu _____

Total _____

What2Learn
Initial in Color

Fri _____

WHEN A DNA GENE IS
DAMAGED OR CHANGED



MEOWTATION OCCURS

9

10

11

12

DNA Model

**Your DNA Model
must be
connected and
hanging from
the ceiling!**

Use a Handout
and the Video
directions.
Science → Life →
Genetics

If you want
paper directions,
ask.

**Have Checked
10** _____

DNA Lab

**Observe DNA
by
getting DNA to
absorb water!**

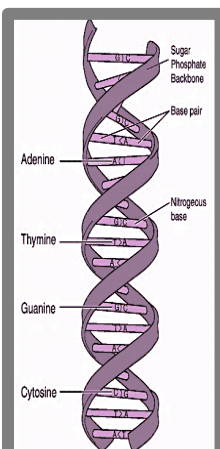
1) Lab Protocol _____

2) Identify DNA _____

3) Collect only
DNA _____

4) Dry DNA _____

20+ _____



Human Genomes:

Genetic Disorders Handout

Handouts + Posters + Text + Online

- 1) Down Syndrome.
- 2) Sickle Cell Disease
- 3) One from assigned chromosome.
- 4) _____

Extra for Family or Personal Trait
If time: Do More

Watch the DNA Videos

Have Screen Checked:

1) What is DNA & How Does it Work?

DNA = _____

Screen Check _____

2) What is DNA? Red Orbit.

The packaged form of DNA is the

A GENOME is _____

Each part of the DNA molecule that is
a code or sequence that contains
instructions for a trait is a _____.

Screen Check _____

←
**That is
Science**

Cat-Spelling!

Write the
correct
spelling here:

**Family
Pedigree**

Traits + Additions

1. Trait Key: _____
2. Traits: ¼ pt ea _____
3. Family Trait or
Disorder Trait 5 _____
4. New People _____

Central Science Home Page:

www.plyter.com/science

Central Science → Life Science → Genetics

DNA Origami Folding Instructions
What is DNA & How does it Work?
What is DNA? Red Orbit

Mr. W's DNA Rap
Fruit Fly Interactive



iMac Desktop: Ask: DNA Workshop



Write the Objective: _____

Define Mutation: _____

Your Grade for Last Week:

	<u>Yours</u>	<u>Required</u>
Objective + Grade	_____	10
Calendar	_____	20
Karyotyping	_____	25
Punnett Squares	_____	35
Family Pedigree	_____	EX
Quizzes	_____	28
What2Learn	_____	10
Extra	_____	
Total	_____	128

Yours / Required X 100 = your %

_____ / 128 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".*

If Time: Online

Science Page plyter.com/science

Have Screen Checked:

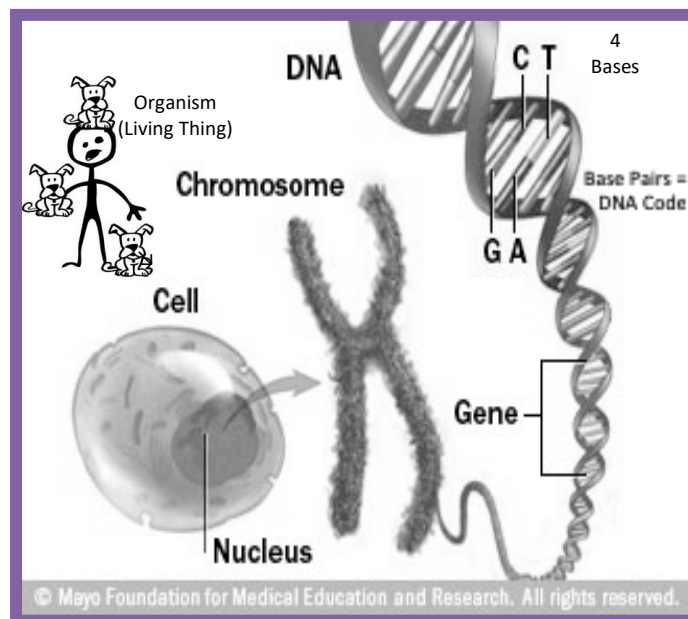
- 1) Mr. W's DNA Rap _____
- 2) Antique iMac Desktop
DNA Workshop: _____
- 3) Fruit Fly Interactive
 - a) Click on Notebook.
 - b) Follow scenario directions.
 - c) Screen check. _____
 - d) Reset for more Scenarios.

Genetics Timeline on
Google Classroom _____

Tracking Grizzlies
Google Classroom

See Last Week. _____

Check the Genetics Page. _____



From A Puppy To Ears & Fluffy!

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

_____s are made up of
_____, 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 ____.



OBJECTIVE:

Better understand DNA, and the patterns of DNA Code (base pairs) that give rise to likenesses and variations (differences) of offspring, by modeling and viewing DNA. (MS-LS3)