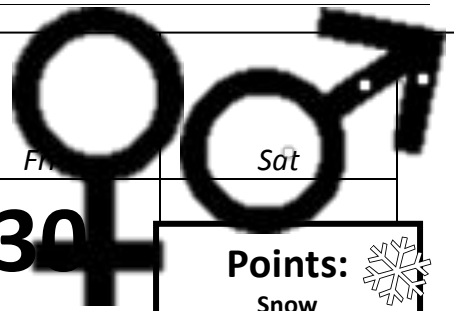


# LIFE 6 - GENETICS 1

Science 8 November 2018

Mrs. Plyter [plyter.com/science](http://plyter.com/science) [plyterj@miltfree.k12.or.us](mailto:plyterj@miltfree.k12.or.us)

Name \_\_\_\_\_ Period \_\_\_\_\_

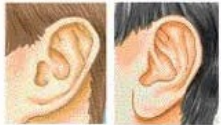


Thu

Fri

Sat

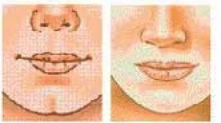
**Dominant or Recessive?**



Attached ear lobe Free ear lobe



Widow's peak No widow's peak



Cleft chin No cleft chin

26

**H<sub>2</sub>O (Snow) Crystals**

1) Paper Model for the Door 10 \_\_\_\_\_

2) Molecular Model using Models of H<sub>2</sub>O Molecules. 10 \_\_\_\_\_

3) Macrophoto of a Snowflake? \_\_\_\_\_

27

**Offspring:**  
Handout

First 10 \_\_\_\_\_

28

**BrainPOP at McGraw Hill**

1. **Cell Structures:**  
The "boss" of the cell is the \_\_\_\_\_ . It is guided by the \_\_\_\_\_ which contains all the \_\_\_\_\_ for the cell and the organism.

Have Screen Checked: \_\_\_\_\_

2. **Heredity:** Passing traits from parent to offspring is known as \_\_\_\_\_ .  
A trait is a \_\_\_\_\_ .

A Monk named \_\_\_\_\_ studied \_\_\_\_\_ plants to find out about traits. He found traits can be \_\_\_\_\_ or \_\_\_\_\_ .

Have Screen Checked: \_\_\_\_\_

29

**Family Pedigree Trees:**

Yours: Part 1 10+ \_\_\_\_\_

**Label the Family Relationships**

in the Family Pedigree below. ↓ Start at the top with Dad & Mom.

30

**Additional Online Genetics:**

On The Back →

Screen Check Required!

**Points:**  
Snow

Calendar And BrainPOP

Projects: Offspring & Pedigree

Additional Points

**Quiz Points:**  
Write Score. Initial in Color

Mon \_\_\_\_\_

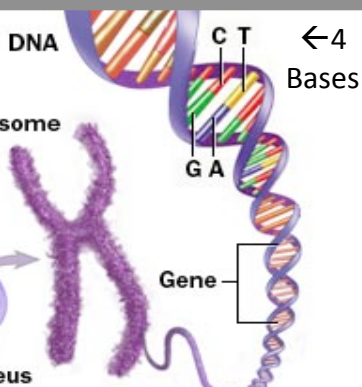
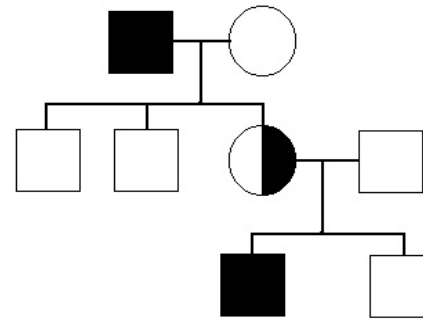
Tue \_\_\_\_\_

Wed \_\_\_\_\_

Thu \_\_\_\_\_

Fri \_\_\_\_\_

Total \_\_\_\_\_



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## Central Science Home Page

[www.plyter.com/science](http://www.plyter.com/science)

Central Science →

McGraw Hill  
Discovery Education

BrainPops Ask...Password = Pioneer1

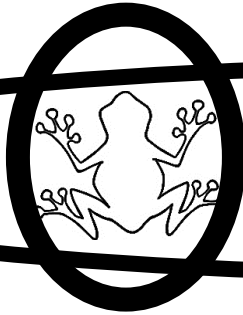


Central Science → Life Science → Genetics  
What is a Chromosome?

Bill Nye Video Clips  
Click and Clone



Cloning or Not?

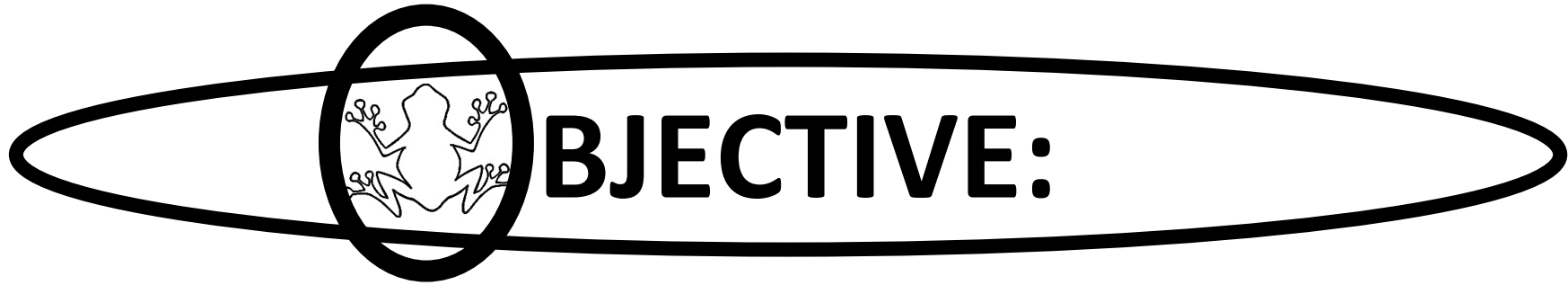


# **OBJECTIVE:**

**To better understand that organisms,**

1. reproduce, sexually and/or asexually,
2. transfer their genetic information as genes to their offspring

and that in sexually reproducing organisms each parent contributes half of the genes (randomly) to the offspring, **we will model traits transferring to offspring and build a Family Pedigree Tree.** (MSLS32)



**Write the Objective:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Define DNA, starting with the word that DNA abbreviates. DNA stands for \_\_\_\_\_.**  
DNA is \_\_\_\_\_  
\_\_\_\_\_

**Additional Online Genetics: Science→Life→Genetics→**

**Watch the videos and/or do the apps. Add at least 1 defined Vocabulary for each. Get a Screen Check.**

- |                          |       |              |
|--------------------------|-------|--------------|
| 1) What is a Chromosome? | _____ | Screen Check |
| 2) Bill Nye Videos:      |       |              |
| Chromosomes              | _____ | Screen Check |
| Genes                    | _____ | Screen Check |
| Genetics                 | _____ | Screen Check |
| 3) Click & Clone         | _____ | Screen Check |
| 4) Clone or Not?         | _____ | Check Check  |