

# Tuesday, June 4, 2019

Your Learning Goal: SWBAT act as clipbirds to simulate natural selection and speciation.

Welcome to Clipland- 53 L + R

Catalyst 53 L:

- Record your observations, both qualitative and quantitative about Clipland.



## Homework:

Final Exam 11/12

Notebook Check Thur/Fri



## Agenda:

- Catalyst
- Clip Bird Survival
- LEAF

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4/23/19	Condor Genetics	45L + R
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5/13/19	Present Day Vertebrates	48 L + R
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5/30/19	Inheriting Traits	51 L + R
5/31/19	Inheriting Traits: Glossary/Notes	52 L + R
6/4/19	Welcome to Clipland	53 L + R

6/4/19

**Catalyst:**

Record your observations,  
both qualitative and  
quantitative about Clipland.

**LEAF:**

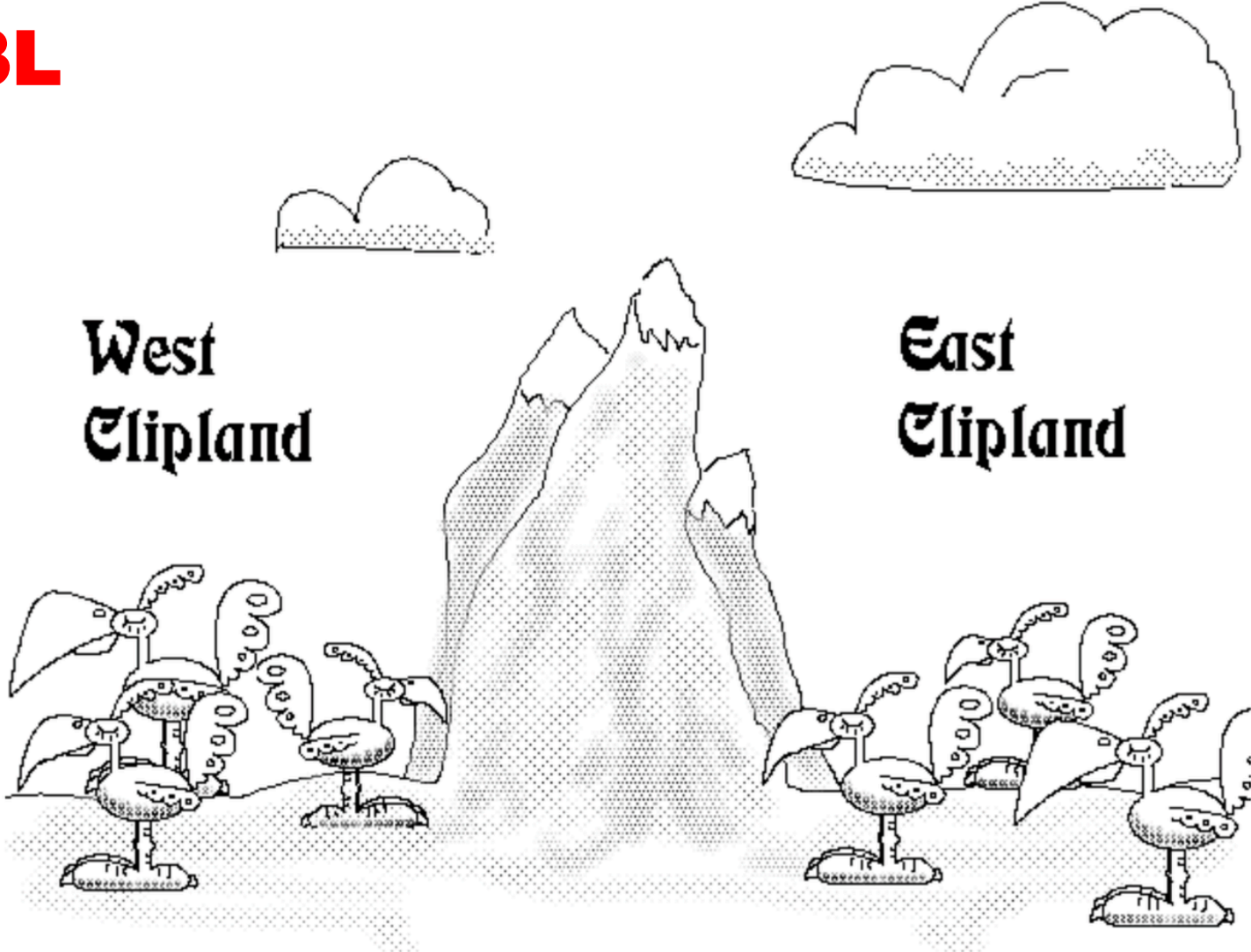
**Welcome to Clipland**

**53L**

**53R**

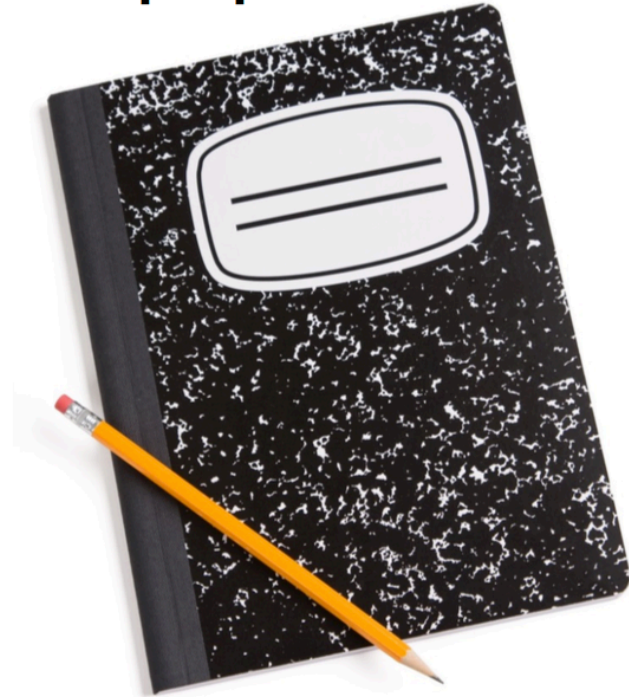
# What can you observe about clipland?

**53L**



# Focus question

- How do environmental changes shape species/populations?



# The History of Clipland

- About 5,000 years ago, the Clipbird population began to separate into two the two regions of the island (Eastern and Western) as the Great Clip Mountains were forming
  - The birds are still considered one population, however, because they can still migrate through a valley in the middle of the northern peak of the Great Clip Mountains
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# The History of Clipland

- This past winter, a streak of freak winter storms generated massive amounts of ice that now completely join the northern and central clip peaks, blocking the valley
  - In a weird twist of fate, one freak storm caused the pontoon of an explorer to capsize, forcing the man, who is covered in white hair, to move onto Clipland
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# The History of Clipland





# The History of Clipland

- The poor Clipbirds are now completely separated from each other as the icy barrier is too difficult to cross, and they dare not go near the creepy man

# Clipbird Biology



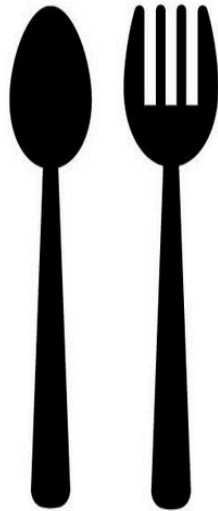
**Big Billed Clipbird**



**Medium Billed  
Clipbird**



**Small Billed Clipbird**






**Clipbirds**

# Clipbird Biology

Bird	To Survive	To Reproduce
Bigbill	80	160
Mediumbill	50	100
Smallbill	25	50

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# Megacalories

Clipland Island Fruits		Megacalories
Nuts		10
Worms		5
Seeds		2

6/4/19

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**LEAF:**

**53L**

**Welcome to Clipland**

**Make Your  
Data Table  
HERE**

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**53R**

# 53R

		Start	After 1st Season	After 2nd Season	After 3rd Season	After 4th Season
East	Bigbill					
	Mediumbill					
	Smallbill					
West	Bigbill					
	Mediumbill					
	Smallbill					

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**LEAF:**

**53L**

6/4/19

**Welcome to Clipland**

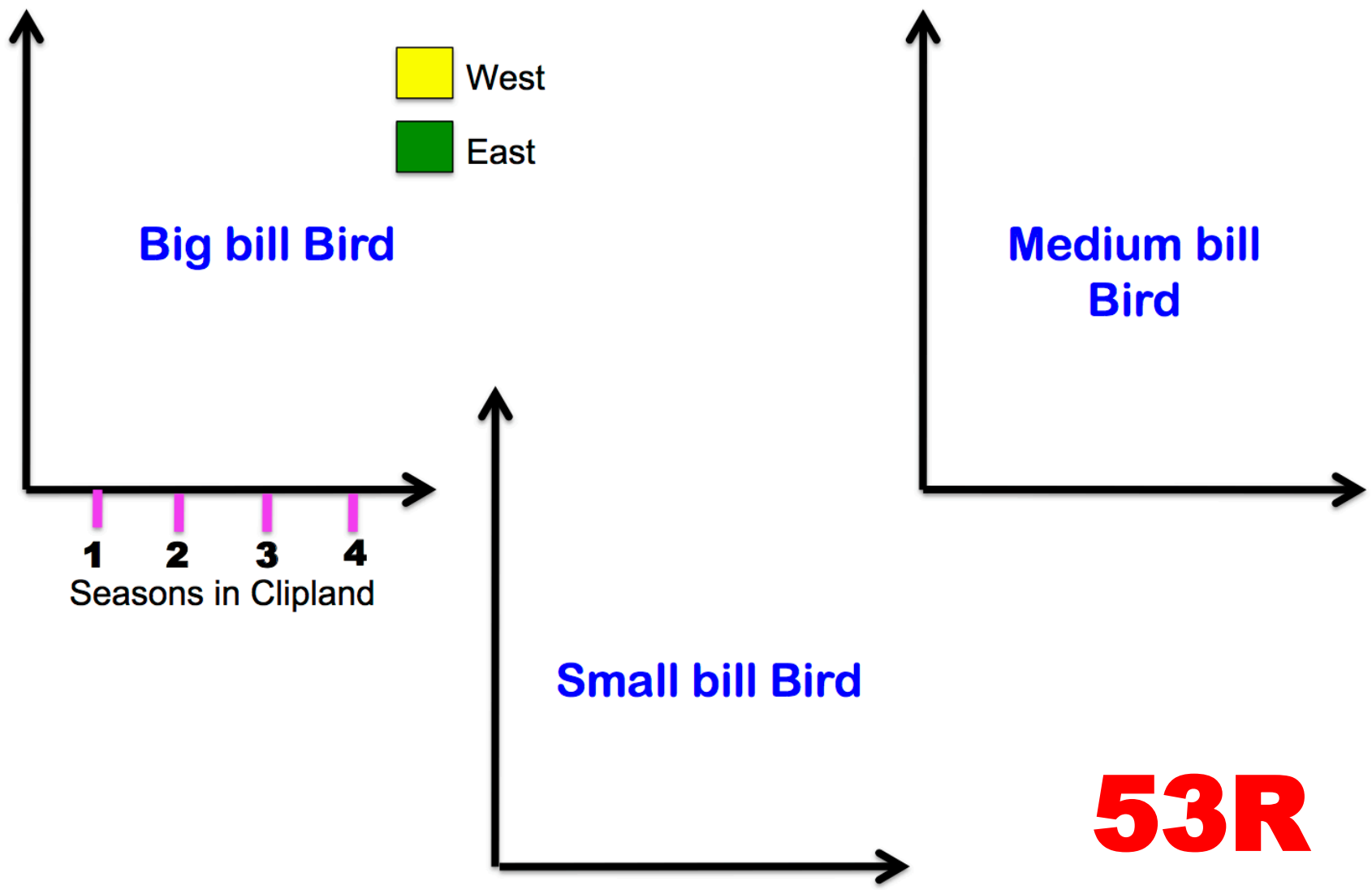
**Make Your  
Data Table  
HERE**

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**Make Your  
3 Graphs  
HERE**

**53R**

# ANALYZING DATA



**53R**



**Catalyst:**

Record your observations, both qualitative and quantitative about Clipland.

**LEAF:**

How do environmental changes shape/species or populations?

**53L**

6/4/19

**Welcome to Clipland**

**Make Your  
Data Table  
HERE**

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**Make Your  
3 Graphs  
HERE**

**53R**

# Stumped on your LEAF Paragraph?

Try using the following resources!  
(These are great review for your exam too).

## 1. Class Data

## 2. One (or more) of the following readings

• <http://nationalgeographic.org/encyclopedia/adaptation/>

• [http://evolution.berkeley.edu/evolibrary/article/misconcep\\_06](http://evolution.berkeley.edu/evolibrary/article/misconcep_06)

• [http://evolution.berkeley.edu/evolibrary/search/lessonsummary.php?  
&thisaudience=6-8&resource\\_id=130](http://evolution.berkeley.edu/evolibrary/search/lessonsummary.php?&thisaudience=6-8&resource_id=130)

## 3. One (or more) of the following videos

• <https://www.youtube.com/watch?v=8yvEDqrc3XE>

• <https://www.youtube.com/watch?v=RxHdzw7E0wU>