Thursday/Friday, August 30/31, 2018

<u>Your Learning Goal</u>: At the end of the lesson, SWBAT record observations in complete sentences and categorize them into qualitative and quantitative observations.

<u>Key Terms:</u> Qualitative, Quantitative, Claim, evidence, Reasoning, Inference

<u>Table of Contents:</u> Observation vs. Inference 2L+R

<u>Catalyst(2L):</u>Write 3 <u>observationw</u> you made from the watching the video.

⚠️ <u>Homework:</u>
Syllabus
LEAF

<u>Agenda:</u>
1. Catalyst
2. Obs. Vs Inference Notes
3. Reflection

Table of Contents

Catalyst:

Write 3 observations while watching the video.

One observation from the video is that...

Observation vs. Inference

2L

2R

What do you **observe**?

Catalyst:

Write 3 observations while watching the video.

One observation from the video is that...

Observation vs. Inference

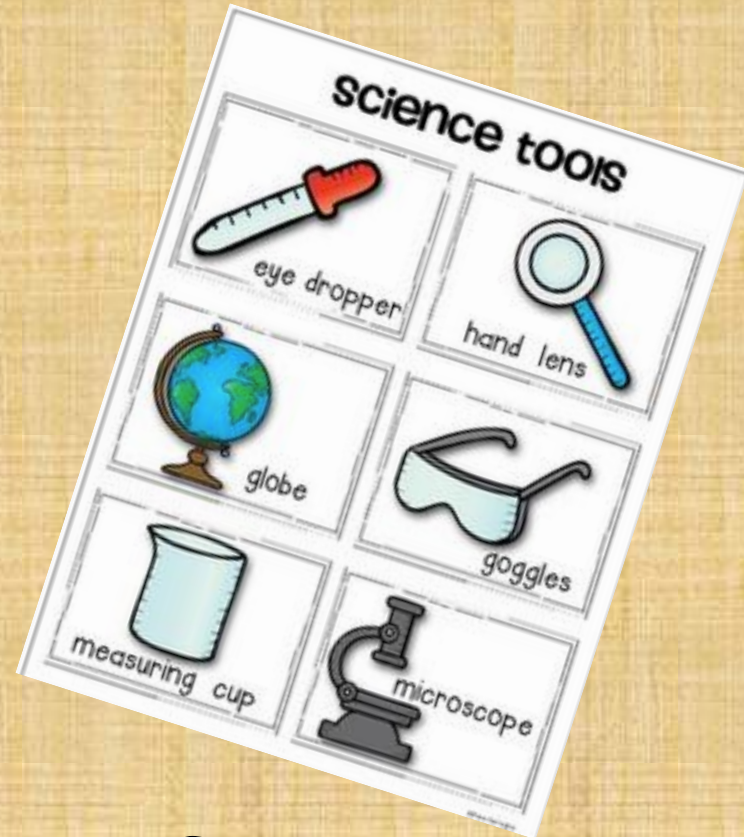| Bag #	Qualitative	Quantitiative	Guess
1			
2			
3			
4			
5			
6			
7			

2L

2R

Draw in Your Notebook

Bag #	Qualitative	Quantitative	Guess
1			
2			
3			
4			
5			
6			
7			

2R

Observations

To use one or more of your senses (sight, hearing, touch, smell, and taste) or tools to gather information.

Qualitative Observations

- **Observations on how an object looks, feels, smells, etc …**
- **Are facts**
- **Example: The plant is green and it has pink flowers.**

Catalyst:

Write 3 observations while watching the video.

One <u>observation</u> from the video is that...

Observation vs. Inference

Bag #	Qualitative	Quantitiative	guess
1			
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7			

<u>Qualitative Observation</u>: **how an object looks, feels, smells, etc.**

2L

2R

Quantitative Observations

- **Observations that have numbers**
- **Are facts**
- **Ex: time, measurements, amount**
- **Ex: The plant has grown 5 centimeters.**

Catalyst:

Write 3 observations while watching the video.

One observation from the video is that...

Observation vs. Inference

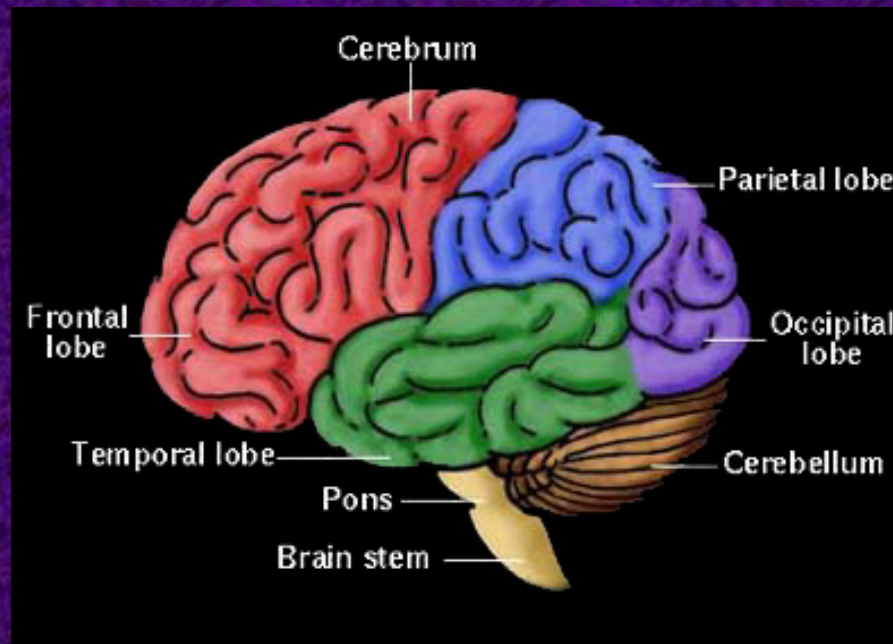| Bag #	Qualitative	Quantitiative	guess
1			
2			
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4			
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7			

Qualitative Observation: **how an object looks, feels, smells, etc.**
Quantitative Observation: **Observations that have numbers**

2L

2R

Infer

To explain or interpret the things you have observed based on reasoning and prior knowledge.

Catalyst:

Write 3 observations while watching the video.

One <u>observation</u> from the video is that...

Observation vs. Inference

Bag #	Qualitative	Quantitiative	guess
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Qualitative Observation: **how an object looks, feels, smells, etc.**

Quantitative Observation: **Observations that have numbers**

Inference: **To explain or interpret the things you have <u>observed</u> based on reasoning and prior knowledge.**

2L

2R

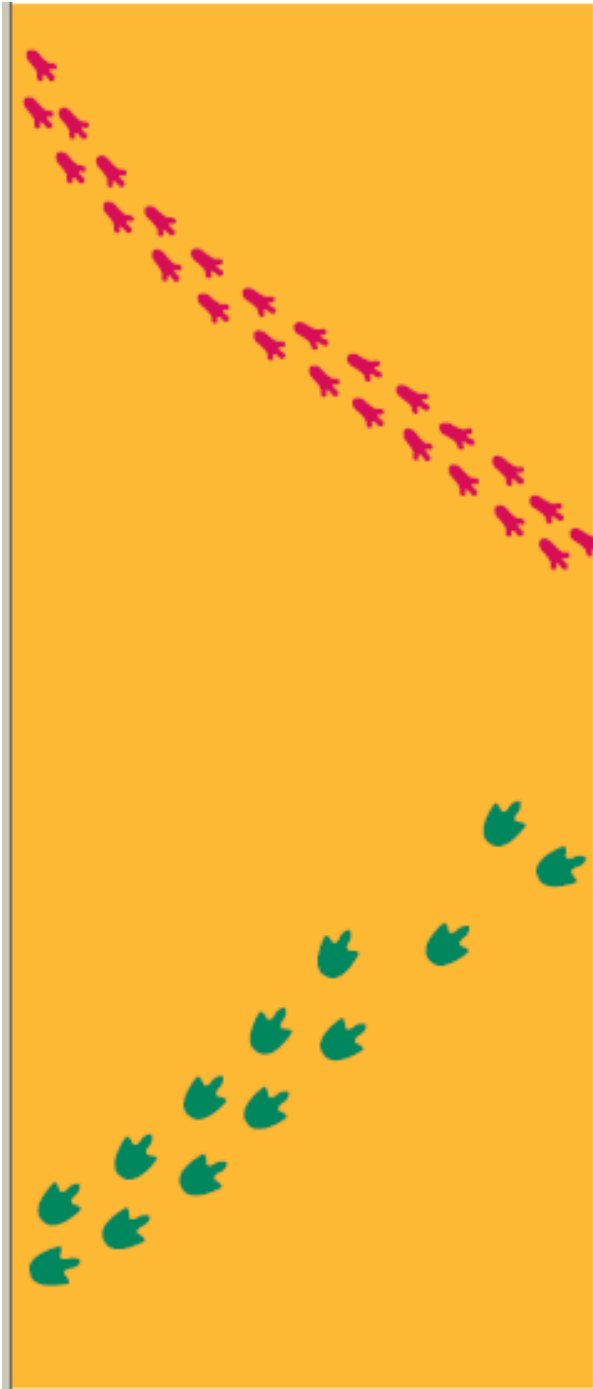| Observations	Inference
This is a picture of a puppy and kitten.	The puppy likes the kitten.
The puppy is black and brown.	The kitten does NOT like the puppy.
The kitten is white, tan, and light gray.	The puppy is happy.

?Mystery Bag?

- Use your powers of Observation

- Touch, listen and look at your bag for 5 minutes

- Complete your data table with a qualitative & quantitative observation & a guess, what is it?

- Pass your bag to the next table

- **CAREFUL NOT TO RIP/ OPEN THE BAG**

Ms. Salzburg will reveal the items next week!

Look at these two sets of animal tracks.
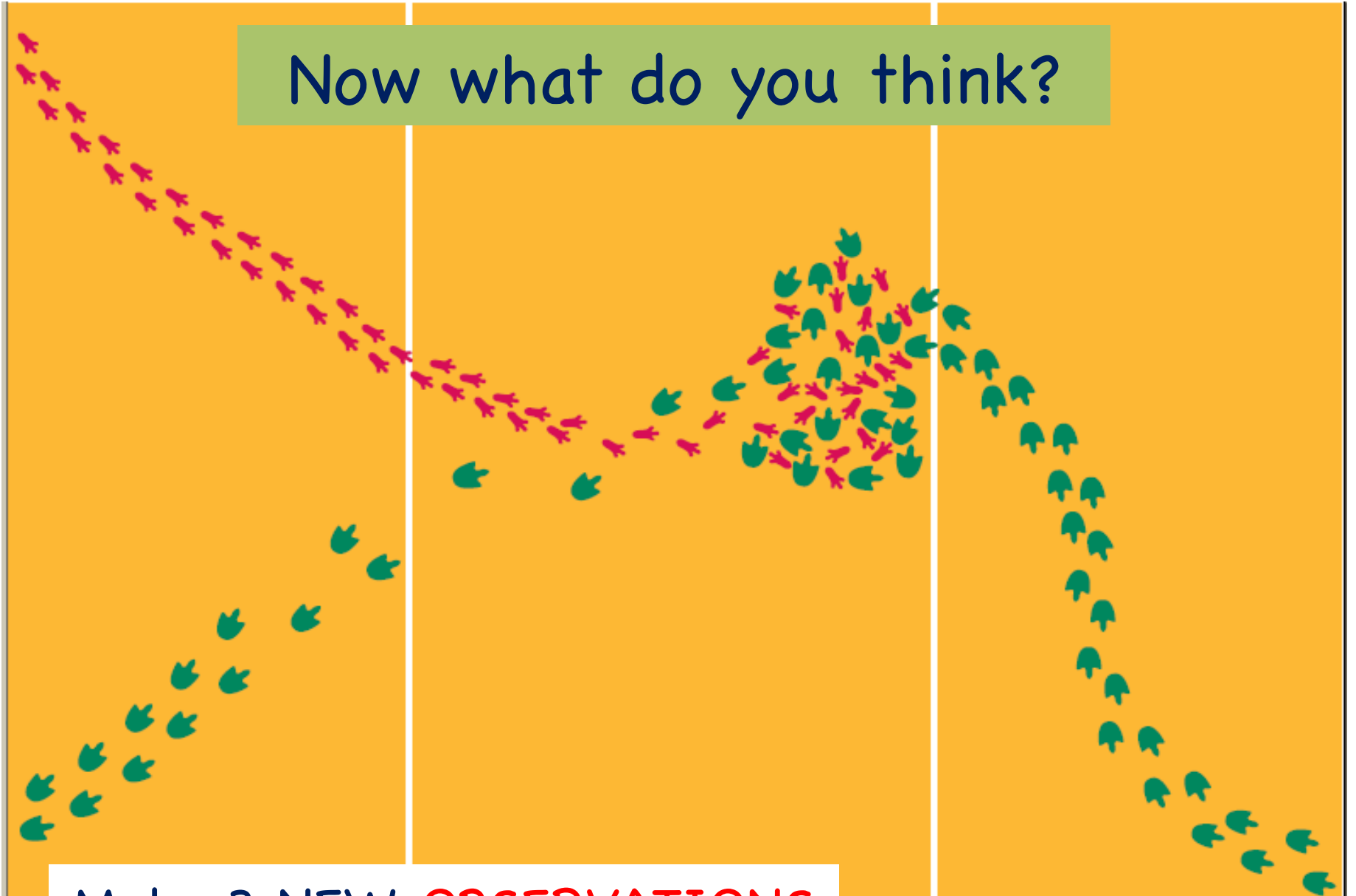
What are 3 OBSERVATIONS You can make

Now what do you think?

Make 3 NEW OBSERVATIONS

& Make an INFERENCE

Now what do you think?

Make 3 NEW OBSERVATIONS

& Make an INFERENCE

LEAF

2L

Lead: Where you state the topic of your paragraph.
The two sets of animal tracks help me to infer that….

Evidence: Observable and quantifiable data that a writer uses to support a claim. (Provide 3 different observations you made about the animal tracks)

Analysis/Warrant: Certain rules that connect evidence back to claims—how the evidence supports the claim. (Explain how your observations help you to confirm your inference)

Finisher: Restating your claim in a new way to provide closure for your argument. (Connect your evidence to the larger class data/graph. What is the major take-away here?)

Catalyst:

Write 3 observations while watching the video.

One <u>observation</u> from the video is that...

LEAF:

The two sets of animal tracks help me to infer that....

(No Final Draft Necessary)

2L

Observation vs. Inference

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Qualitative Observation: **how an object looks, feels, smells, etc.**

Quantitative Observation: **Observations that have numbers**

Inference: **To explain or interpret the things you have <u>observed</u> based on reasoning and prior knowledge.**

2R