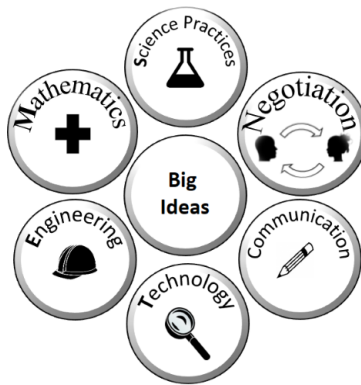


Life Science:

Plants & Animals

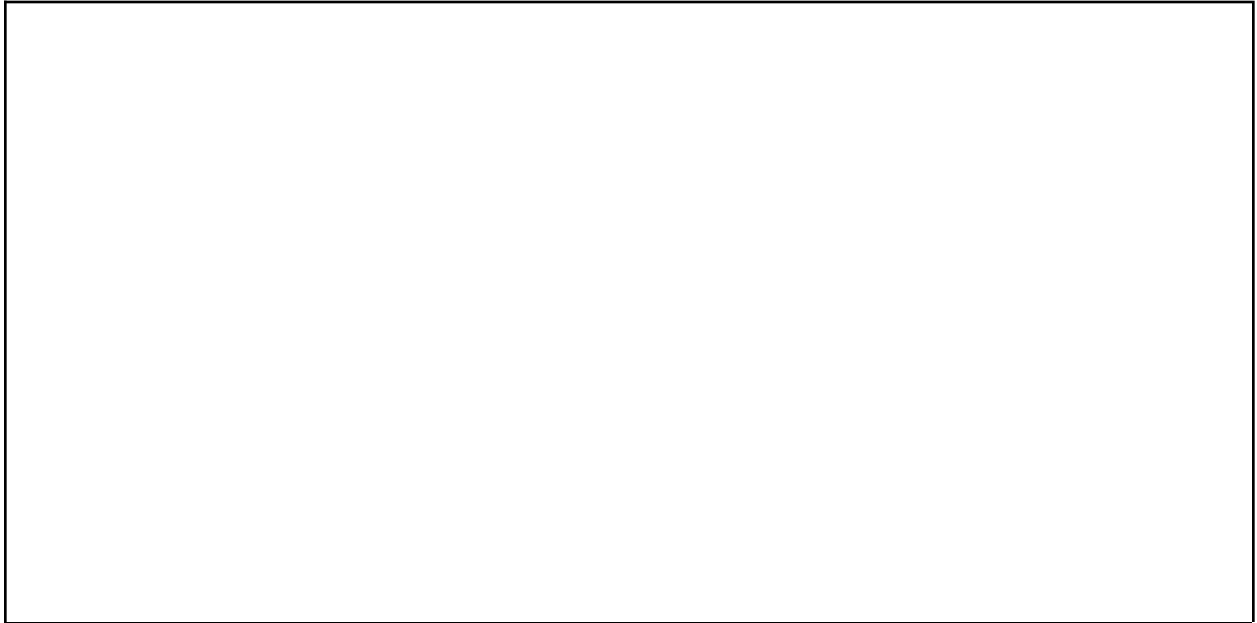
1st Grade Science Thinking Log



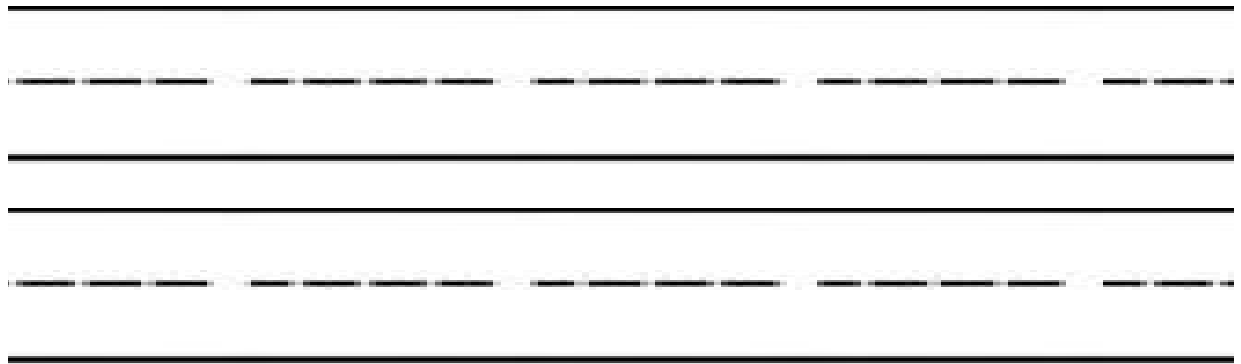
The ASSIST Approach

By _____

Explore Plants- Draw what you saw and write down what you noticed.

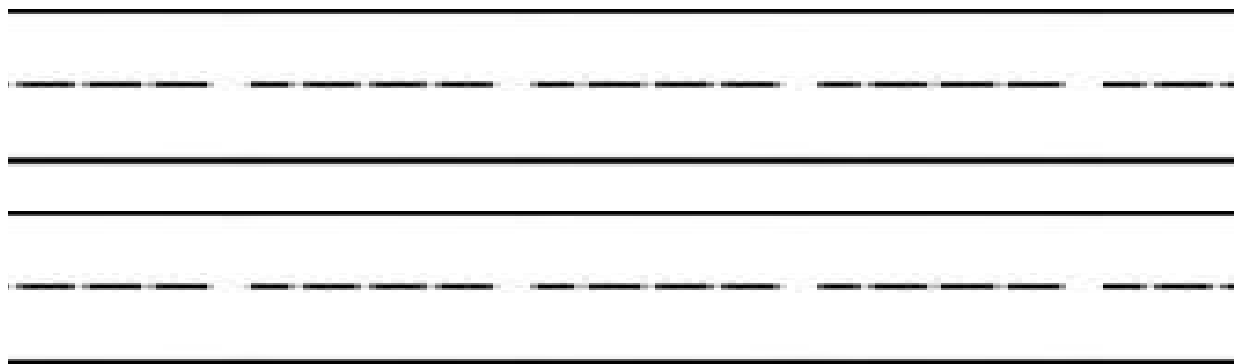


What I saw



Four sets of handwriting practice lines, each consisting of a solid top line, a dashed middle line, and a solid bottom line.

What I wonder



Four sets of handwriting practice lines, each consisting of a solid top line, a dashed middle line, and a solid bottom line.

Explore Photos of Baby and Adult Offspring

What I saw

What I wonder



Explore In Class, Baby and Adult Offspring

What I saw

What I wonder

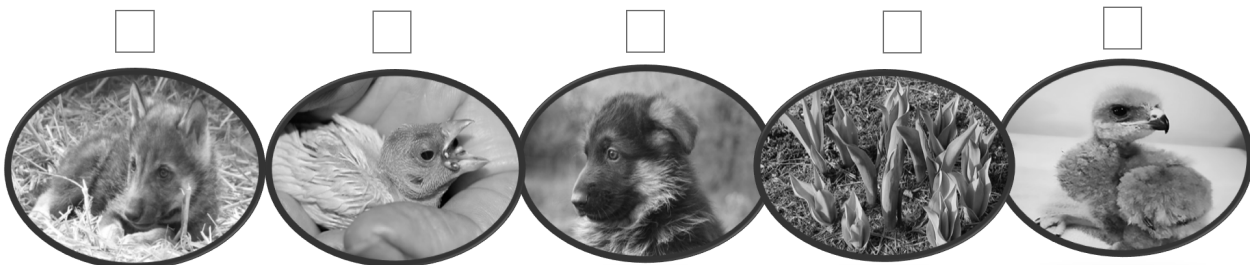


What is the Big Idea for the unit?

What questions do you still have about plants and animals and their babies?



Investigation #1: Draw a line from the parent to the baby.



Parent	Explain how you know the baby came from the parent.
	
	
	
	
	

How many baby rhinos?



This is a white rhino. They live almost entirely in southern Africa. A female white rhino will usually have around 10 babies in her life. If a group of six mother rhinos all had 10 babies how many baby rhinos would there be?

Mother 1	Mother 2	Mother 3	Mother 4	Mother 5	Mother 6	Total
# of babies 10	# of babies 10	# of babies	# of babies	# of babies	# of babies	
Total babies 10	Total babies 20	Total babies	Total babies	Total babies	Total babies	

What did you learn?

CLAIM: I think that baby animals and plants:

always look exactly like their parents ☐

Sometimes look like their parents ☐

Explain why

Use this space to draw your thoughts.



We need to learn more.

Remember we are learning about how plants and animals look like their parents.

Who should we ask?

A Zookeeper	A Boat Captain
 • Works with animals and studies them.	 • Knows a lot about the sea.

What do they know about that can help us?



Understanding the Check With Experts

Question: Do all baby plants and animals look exactly like their parents?

Information from the text: Most baby animals have traits that are similar to their parents.

Does this information support your claim?

Yes ☐ No ☐

How do you know?

Draw what you know.

Information from the text: Some babies have little differences from their adult parents, so they are not exactly like their parents.

Does this information support your claim?

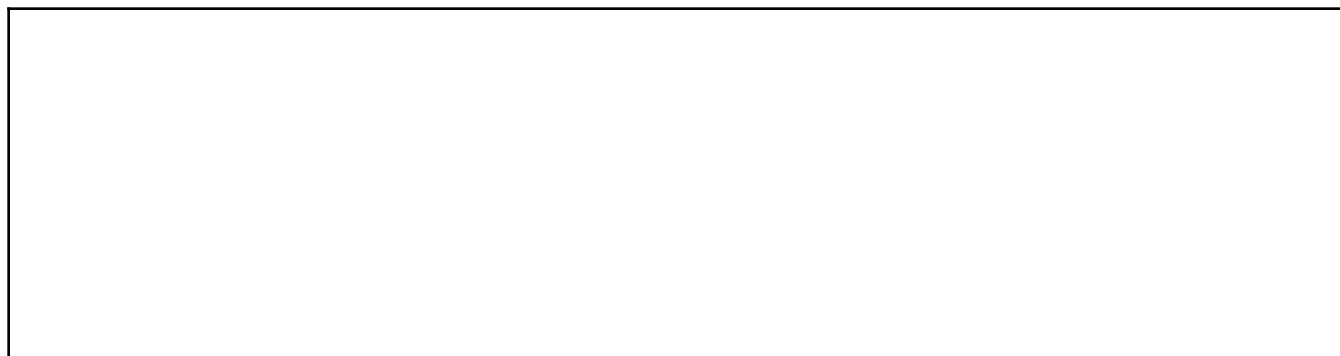
Yes ☐ No ☐

How do you know?

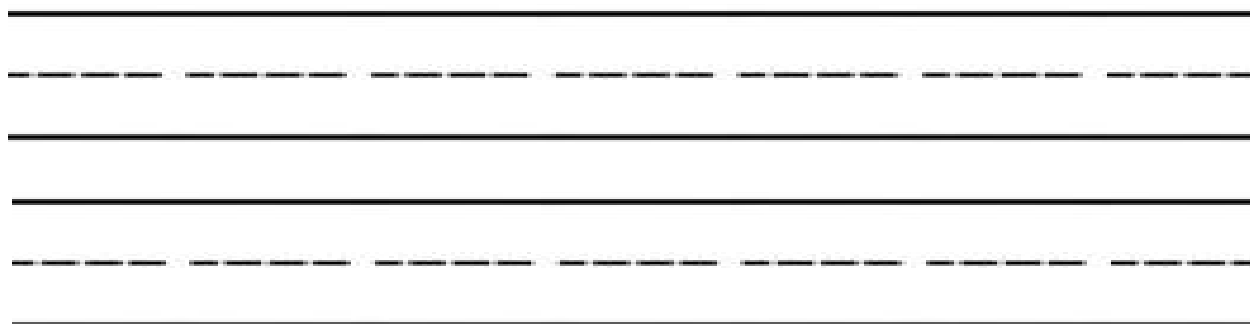
Draw what you know.

Now that you have Checked with the Experts, use what you have learned to adjust your claim. You can include the following vocabulary words in your drawing and writing.

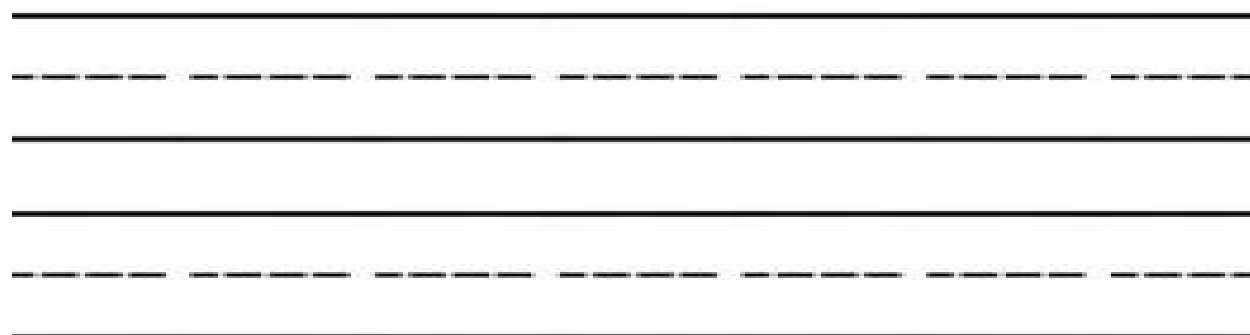
traits offspring similar different adult



My claim is that baby animals



Because




What do we know?



Is the picture above a mom and her baby?

Claim #1	Claim #2	Claim #3
Yes, the baby looks like the mother.	Yes, they have different colored fur but they are the same animal.	No, the baby has different colored fur so it is a different type of animal.

What claim do you agree with? _____

Why do you support that claim?

Investigation #2:



Look at this baby tiger. She is so cute, but we know that it grows up to be an adult tiger which can be dangerous to other animals.



However, what do you think would happen to that baby tiger if it was raised by an elephant right after it was born?

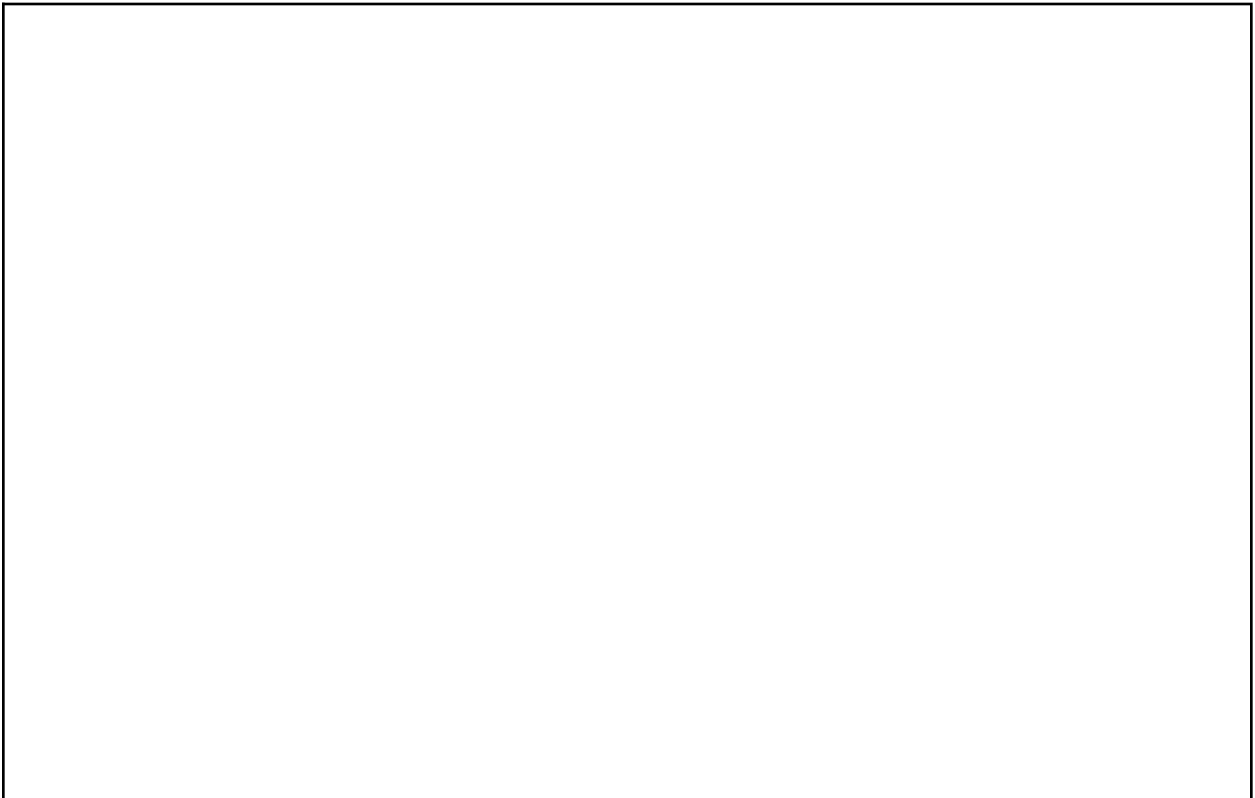


Question: If a baby tiger was raised by an elephant,
would it grow up to be an animal hunter?

My First Claim

I think the baby tiger will grow up to be

Draw your thoughts here.



Teaching the young ones to hunt!



Look at the picture above of the mother tiger and her baby cubs. Mother tigers start taking their cubs out to hunt with them when they are about 8 months old. It isn't safe for the baby cubs to hunt when they are this young so the mother is there to watch and help them. When the tigers are about 20 months old they can start to hunt on their own because of what they learned from their mother.

If tigers start hunting with their mother at 8 months old and hunt on their own at 20 months, how long do they hunt with their mother?

Hunt on their own - 20 months old

Hunt with their mother- 8 months old

Work space

We need to learn more.

Remember we are learning about how plants and animals learn from adults around them.

Who should we ask?

A gymnast	An animal trainer
 • Knows about how to do tricks and is in good shape.	 • Knows about how animals learn and behave.

What do they know about that can help us?



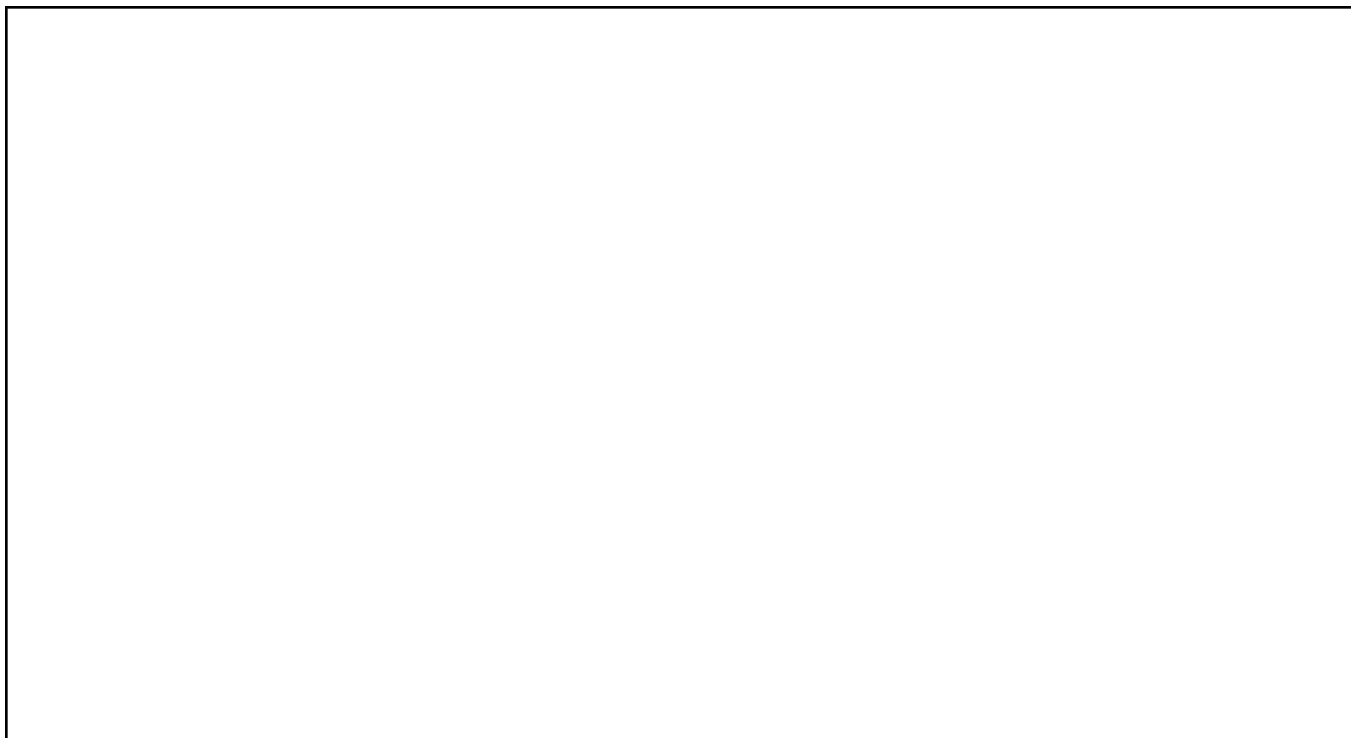
Now that you have Checked with the Experts, tell us about what you learned
You can include the following vocabulary words in your drawing and writing.

My claim: I think the baby tiger will grow up to be

protect

survive

behavior



Show What I know.

Look at the claims below. List in order, which claims are the strongest to weakest?

Claim #1	Dolphins hunt for fish by blowing water rings.
Claim #2	Dolphins blow water rings underneath a school of fish to trap/separate them from their group. This learned behavior makes fish easier to hunt.
Claim #3	Dolphins blow water rings.

Strongest to Weakest:

[Strongest] Claim #_____, Claim #_____, and Claim #_____ [Weakest]

Why do you think the claims belong in this order?



My Animal Trait Poster

My animal is

Some survival traits are...

