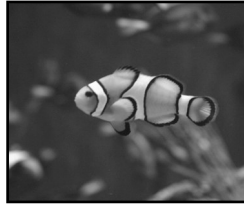


Copy Cat

Part 1:

Beginning Thoughts

1) Draw lines between the pictures that you think form a pair.



2) The picture of the _____ goes with the picture of the _____ because they both _____.

Class Debate

You don't need to write in this box.



Discussion Sentence Frames

Starting a discussion of a pair

I think the picture of the ___ goes with the picture of the ___
because they both have ____.

Picture 1 Picture 2

Responding to a discussion of a pair

Group ___ said ___ and I agree with group them because ____.

Number Or

Group ___ said ___ and I respectfully disagree with them
because ____.

Number

Writing Exercise



3) I **agreed** with group _____ when they argued the picture of the

Number

_____ goes with the picture of the

_____ because _____

_____.



4) I **disagreed** with group _____ when they argued the picture of

Number

the _____ goes with the picture of the

_____ because _____

_____.

Instead I think the picture of the _____ goes with the picture
of the _____ because _____

_____.

Part 2:

Class Discussion

**Have a class discussion and fill out the class sentence frames about what structures plants and animals have that humans have copied.*

Fill out the following sentence frame for the picture that your teacher shows.

5) **Penguins** have _____ that allow
them to _____

but humans cannot do this without _____.

Explain Experiment

Procedure

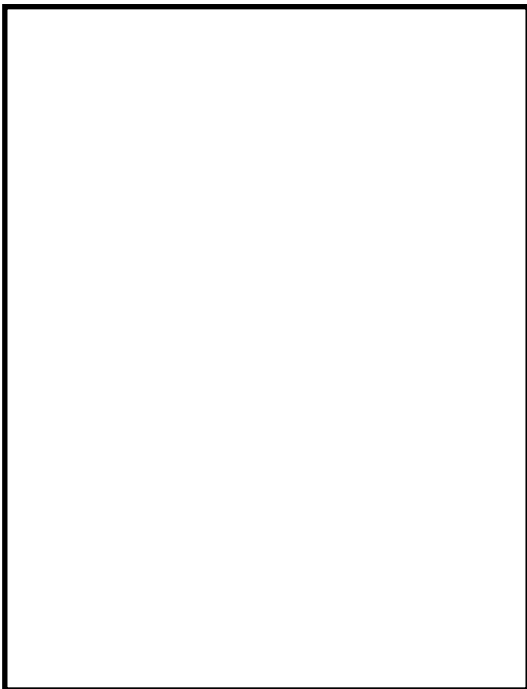
1. Make a "jacket" using up to three materials. The jacket must be one piece and removable.
2. Record the materials that you used and draw a picture of your jacket.
3. Pull the metal person/thermometer out of the hot water and put your jacket on them.
4. Time how long it takes the thermometer to get to 40°C . You are not allowed to touch your jacket while the temperature is dropping.

Experiment

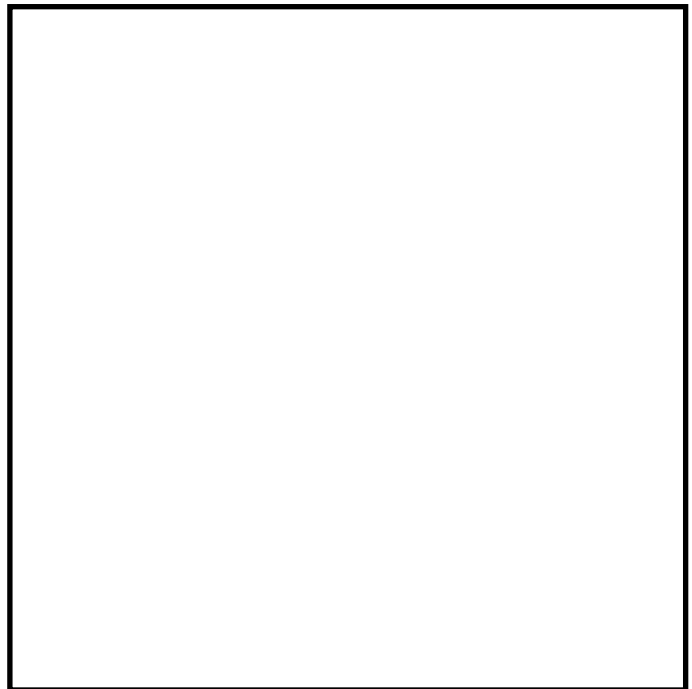
Results

Materials Used: _____

Draw a picture of the outside of your jacket.



If you cut your jacket in half, draw what you would see. Make sure to draw lines between your different materials and where they are in your jacket.



Time it took the thermometer to get to 40°C : _____

Part 3:

Class Discussion

As a class, look at the data from the experiment and discuss what this means for using each material in a jacket.



Writing Exercise

6) I think _____ which mimicked _____
Material Animal Structure
worked the best as jacket material because _____

7) I think _____ which mimicked _____
Material Animal Structure
worked the worst as jacket materials because _____

Class Debate

You do not need to write in this box.



Discussion Sentence Frames

Starting a discussion of a pair

I think the _____ which mimicked _____ worked the best/worst
Material Animal Structure
because _____.

Responding to a discussion of a pair

Group _____ said _____ and I agree with them because _____.
Number Or

Group _____ said _____ and I respectfully disagree with them
Number
because _____.

Build the "Best" Jacket

8) The "best" jacket would be made out of (circle 3):

Chammy Cotton Fat Felt Paper Rug

9) The time for the "best jacket" to reach 40° was: _____

Part 4:

Review Questions

10) Do humans do everything better than plants and animals? Yes No

If not, list one thing that a plant or animal can do better than a human and list a plant or animal is able to do that thing?

11) What is one feature of an animal that you mimicked in your jacket?

12) What is one animal that has this feature besides penguins?

13) What is something else humans mimic from plants or animals?

Plant or Animal we are Mimicking _____ Trait we are Copying _____

15) Why do scientists argue?

