



T2...WEEK 2:

UNIT 4:- Living Things Grow and Reproduce

Lesson 2: What is a Dichotomous Key?

5th Grade Science

MS NOURA AND MS NAAZ.



Learning Objective:

-Students will classify objects based on characteristics they have or lack.

Success Criteria:-

- - Students will be able to classify objects based on characteristics they have or lack



Find the wolf among the sheep





What is a Classification Key?

- Classification keys are used to identify an unknown biological specimen.
- One of the most frequently used types of keys is the "Dichotomous Key"
- What does "Dichotomous" mean?



Dichotomous

"Di"

(two)

"Chotomy"

(choices)

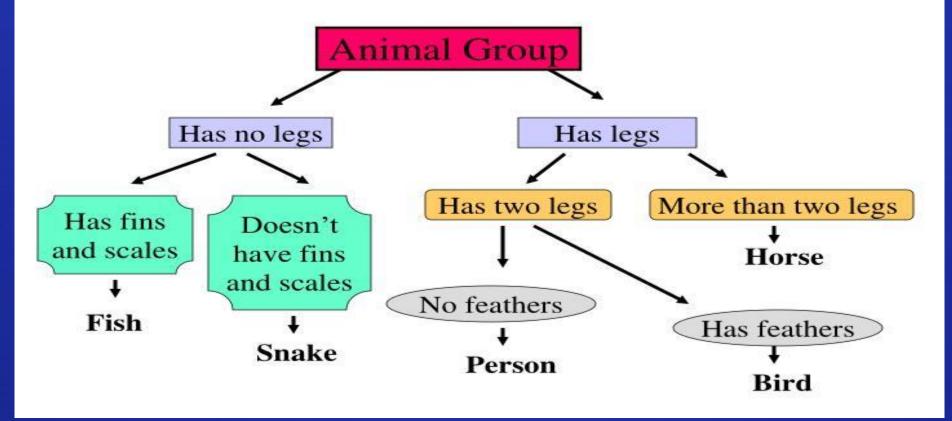


A dichotomous key always presents you with <u>two</u> choices

Two choices of what?

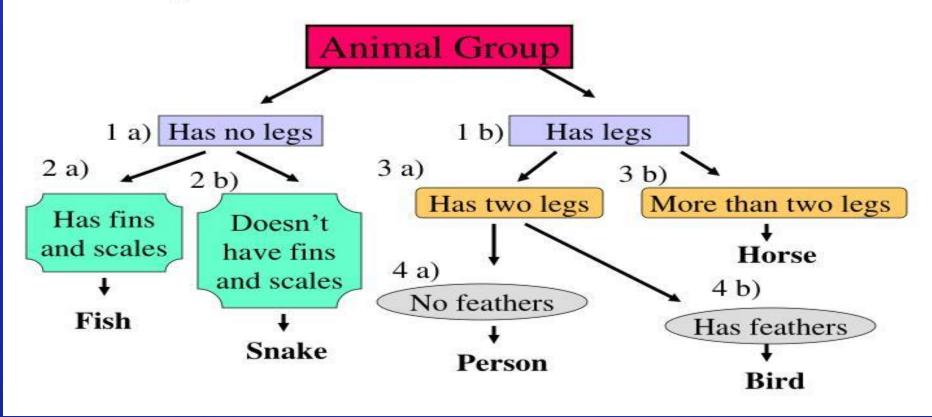


For example, for the animal group - person, fish, horse, bird, and snake - a dichotomous spider key might look like this:



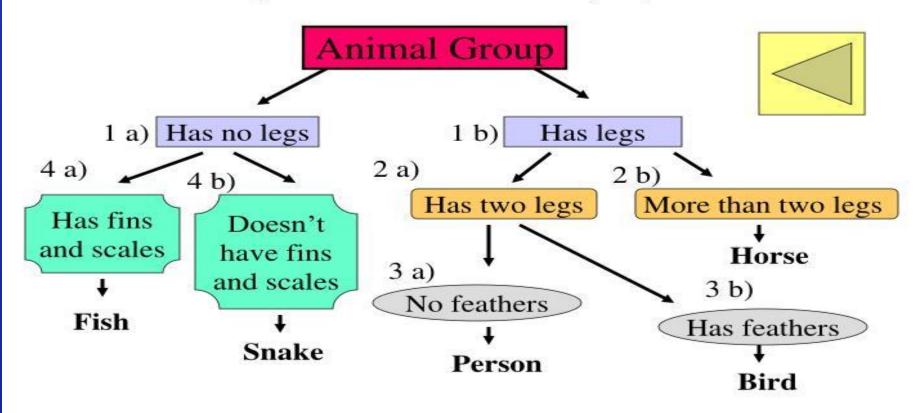


Once you have created the spider key, you must number the choices - each group of two has the same number, and either an a) or a b), for example:





The first set of choices is always 1a) and b), but notice that you can number differently from there. Compare the numbering on this slide to the previous slide. Both are equally correct.





Now that you have created a numbered spider key, rewrite the key by arranging the choices in a list format so that they fit nicely one below the other on the page. The list key puts the numbers in sequential order, and gives "go to" directions or identifications after each choice:

1a) Has no legs	go to 2
1b) Has legs	go to 3
2a) Has fins and scales	Fish
2b) Doesn't have fins and scales	Snake
3a) Has two legs	
3b) More than two legs	Horse
	and so on





So that's it!

Your teacher will now give you the materials to make a dichotomous key of your own.

Good Luck!



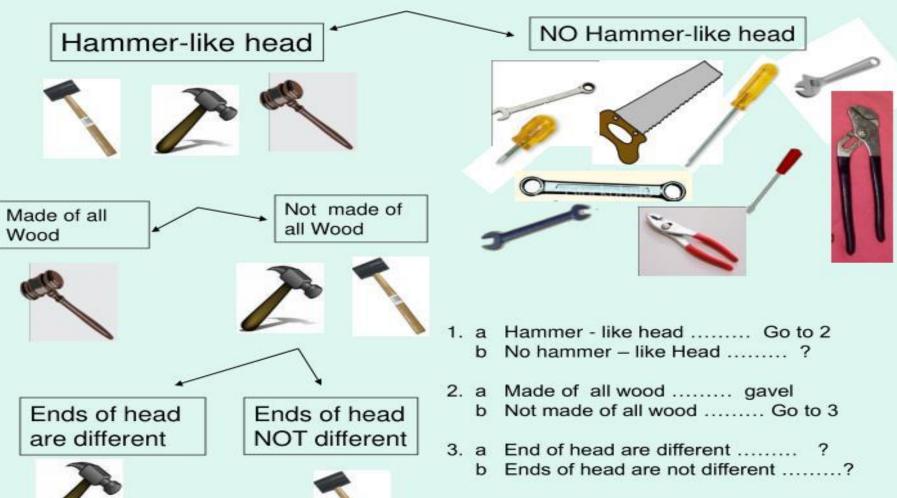




POSSIBLE "DERIVED CHARACTERS"

- Hammer-like head
- All made of one material
 - Is it hinged
- Has a sharp edge
- Has holes

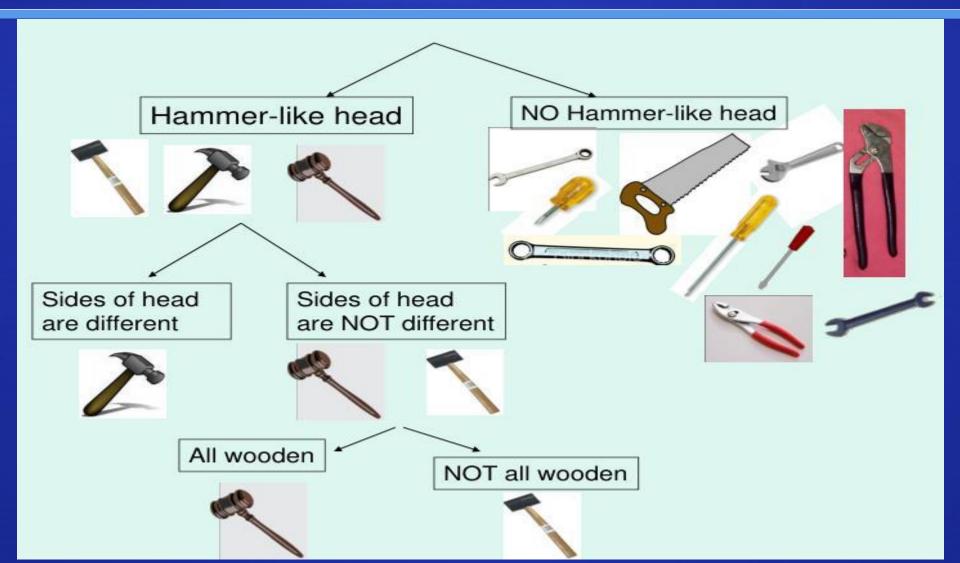






1.	a	Hammer - like head Go to	2
	b	No hammer – like Head?	5
2.	а	Made of all wood gavel	
	b	Not made of all wood Go t	o 3
3.	а	End of head are different	hammer
	h	Ends of head are not different	mallet



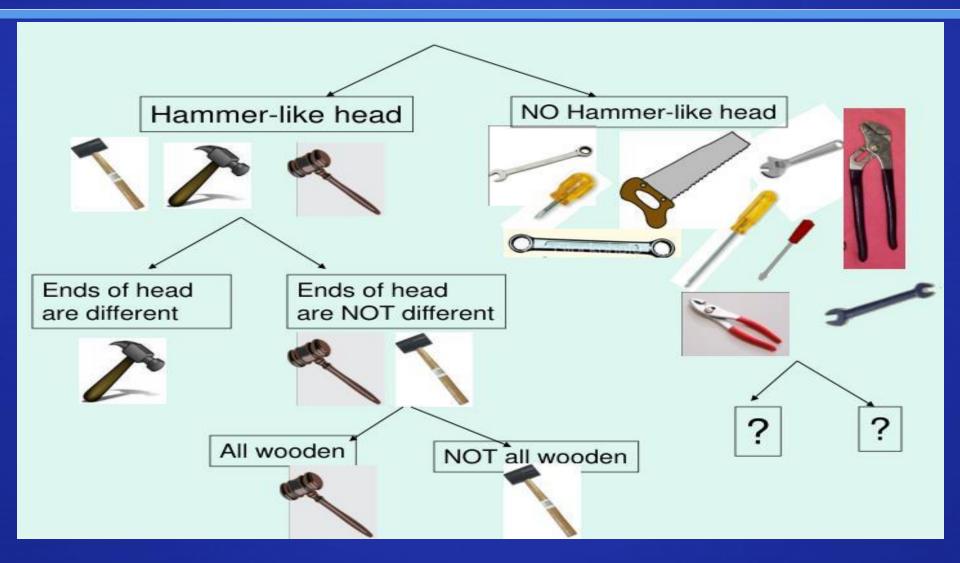




1.	а	Hammer - like head Go to 2
	b	No hammer – like Head?
2.	а	Made of all wood gavel
	b	Not made of all wood Go to 3
3.	а	End of head are different hammer
	b	Ends of head are not differentmallett
4.	а	?
	b	?



Finish your dichotomous key



PLENARY



PLENARY EXIT SLIPS



'I don't understand this yet.'



'I think I understand, but could not explain it to someone else.'



'I understand this well and could explain it to a friend:

