

Animals and sound

Scientists:



PROBLEM

RESEARCH (what have we found about the problem?)

RESEARCH (where have we found all the information?)

HYPOTHESIS

Check your hypothesis!

Is your hypothesis testable with the experiment?	YES	NO
Is it based on your ideas and information?	YES	NO
Were you discussing your ideas in group?	YES	NO
Does it include an independent variable (the one we change) and a dependent variable (the one is fixed)?	YES	NO

Procedure



BOSSY BATS - IMPERATIVE VERBS

add	explain	jump	roll	stick
beg	fetch	listen	serve	stop
bake	fill	mix	sequence	swim
bring	flip	move	set	swing
buy	fly	open	shop	switch
behave	fold	order	shout	throw
close	get	paint	shut	tidy
chop	go	pick	sit	travel
catch	grill	play	slice	turn
crouch	heat	plug	slide	use
crack	hide	pour	sort	undo
cook	hold	put	spread	whisper
draw	improve	rest	stand	write
drink				
eat				

Imperative verbs are also known as bossy verbs because they tell you what to do.

We put them at the beginning of a sentence, which changes them into commands or actions that must be done.



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Material

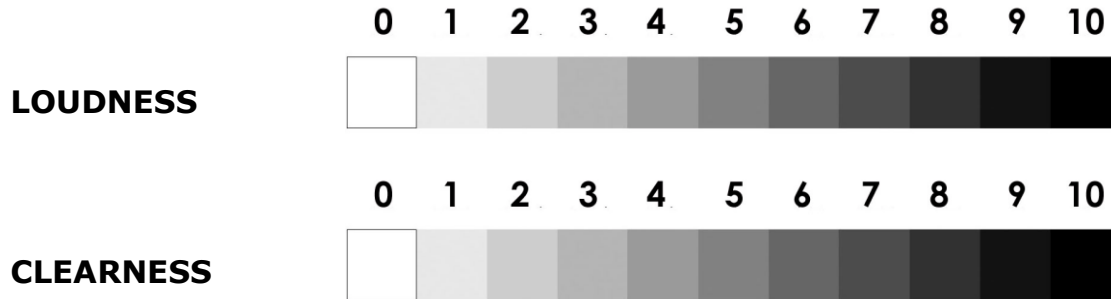
Procedure

ATTENTION! Check your procedure!

Is it numbered?	YES	NO
Is it written in infinitive (cut, stick, fill, check, write...)?	YES	NO
Is it so detailed that anyone could repeat this experiment?	YES	NO
Is the number of repetitions included?	YES	NO
Is there an explanation about how to measure the results in the dependent variable?	YES	NO

How to record data and write results

COLLECTING DATA: Write down information that you get from the experiment. It is very useful to add graphic information such as:

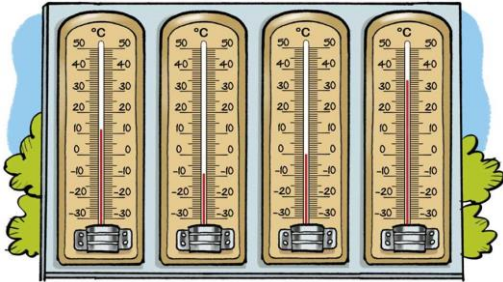


RESULTS: You simply say in words what your data is telling you.

Ex: Under water, loudness is 5 out of 10 while outside water, loudness is 7 out of 10. Clearness is 4 under water and a 1 outside water.

Examples of How to collect Data

0 1 2 3 4 5 6 7 8 9 10



Salty water: 4 of 5.

Mineral water: 2 of 5.

Tap water: 2 of 5.

RATING STARS



Results

Variables

Independent variable	Controlled variables	Dependent variable(s)

Conclusions