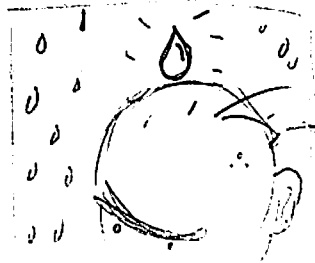
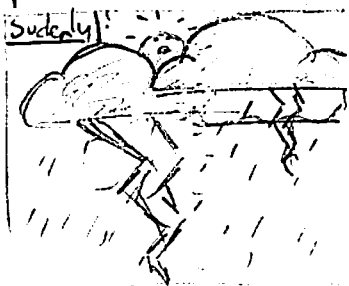


Evolution

ADAPTATION &
CLASSIFICATION

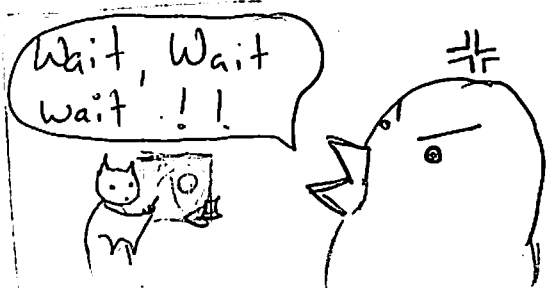
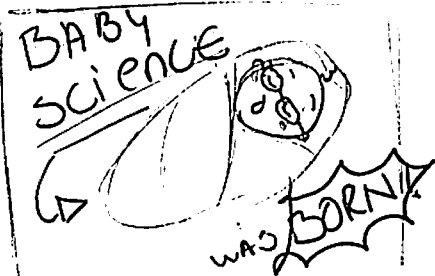
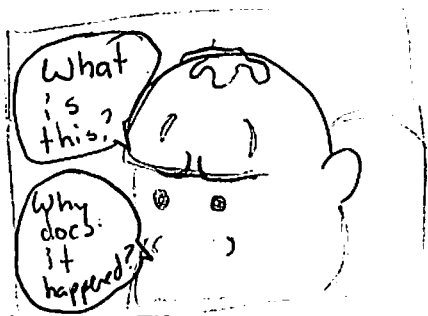
Chap. 1

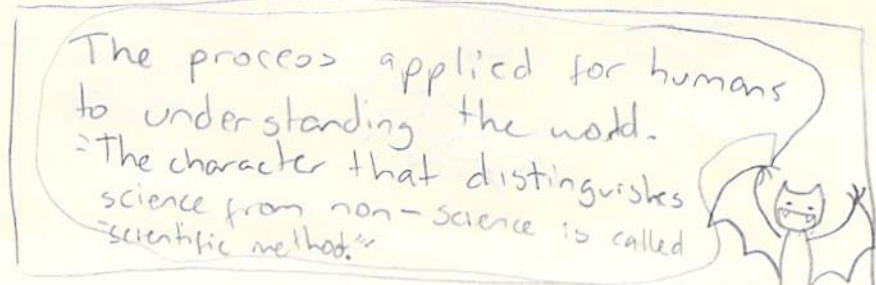
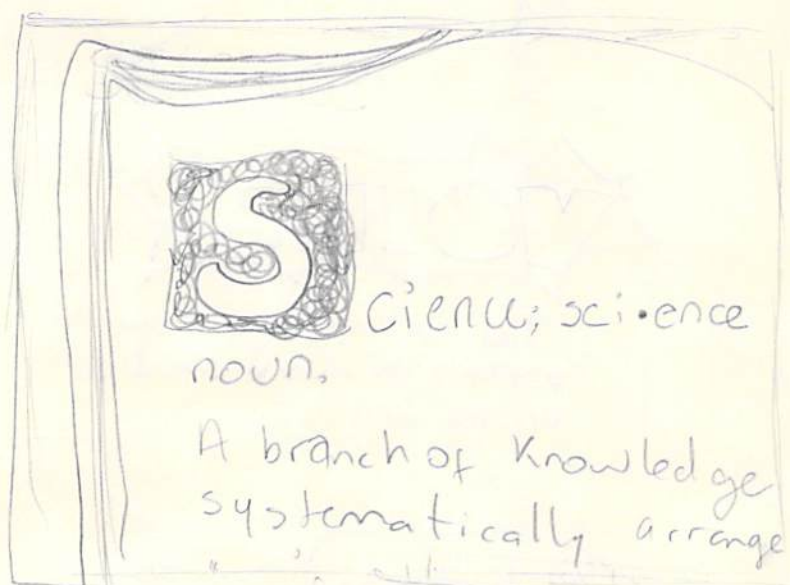
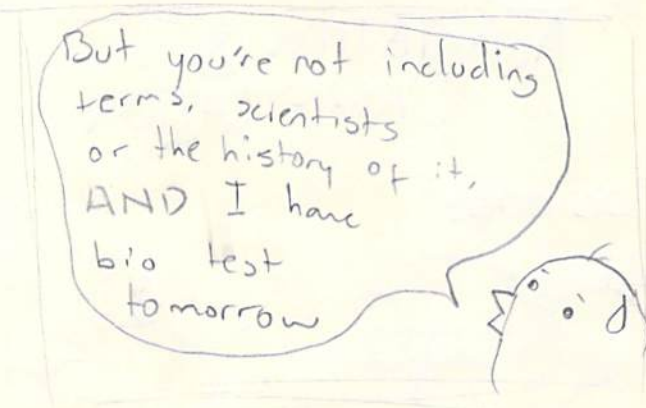
"The origin of science"

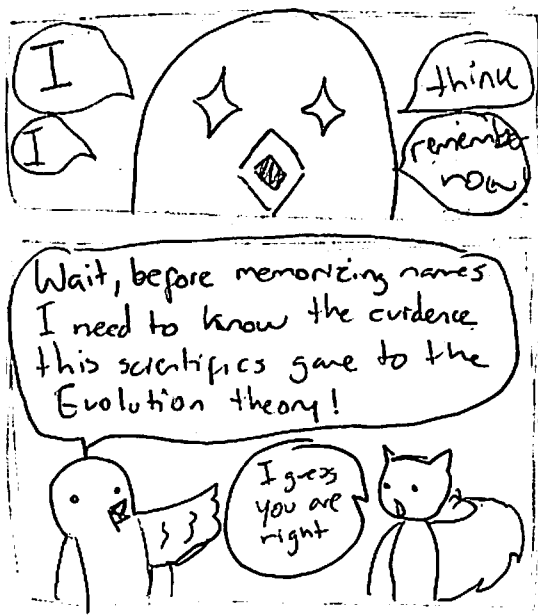
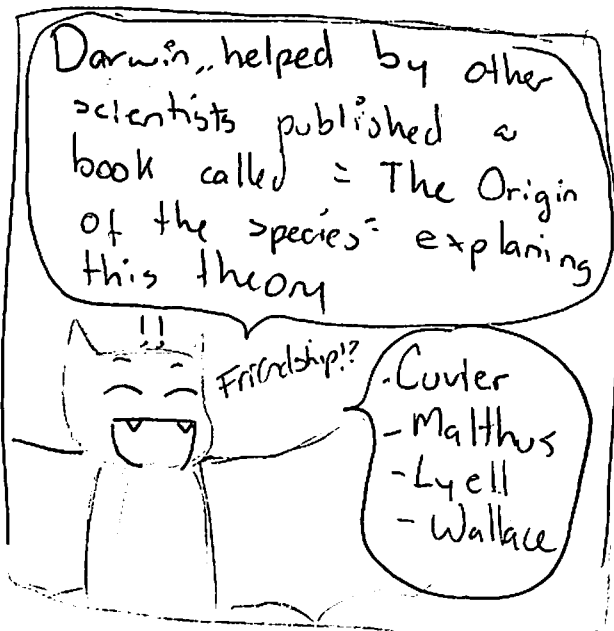
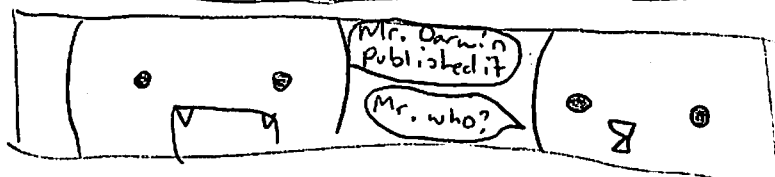
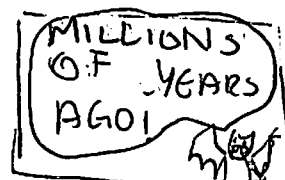
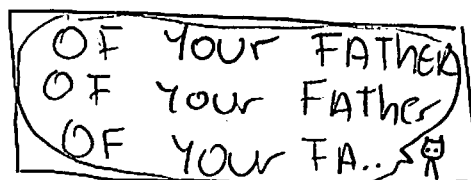
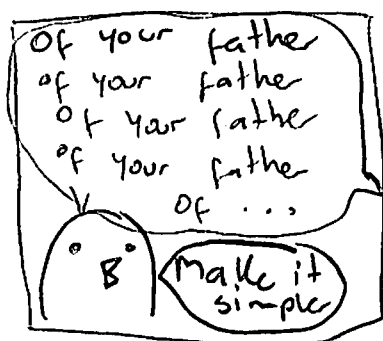
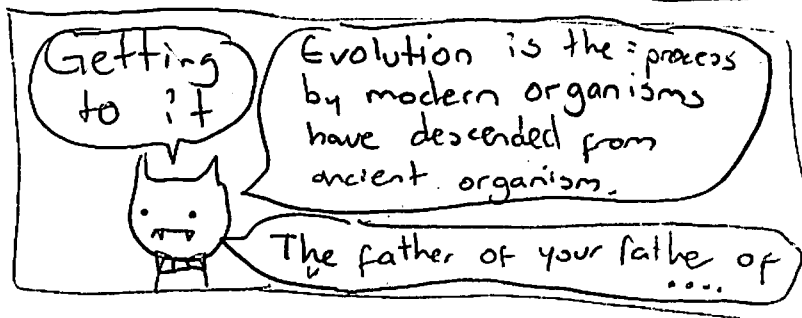
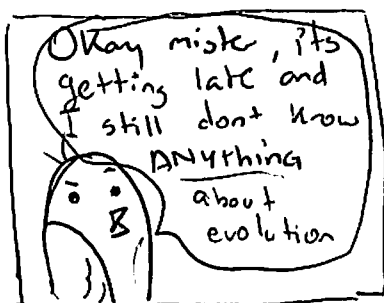
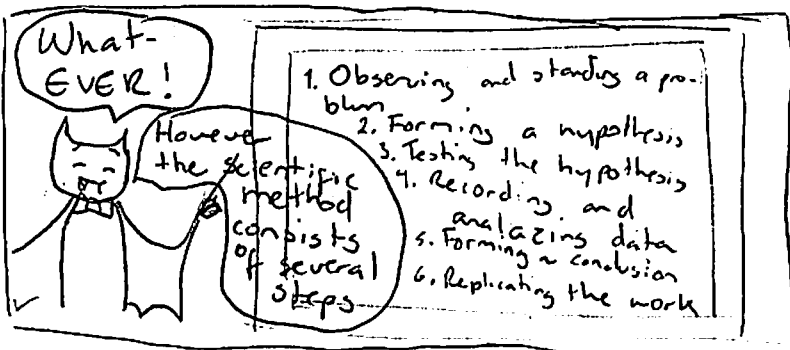
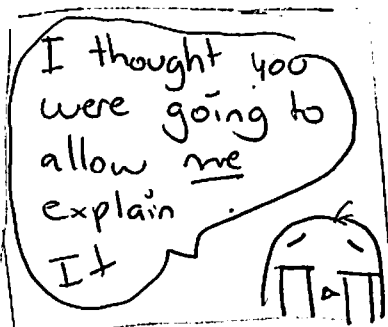


VOILA!

"The curiosity of how to
explain the world around us"
occurs and...







There are four pieces of evidence that make obvious the fact of evolution



Very simple

1. Fossil Record



For years people have discovered preserved dead organisms inside sedimentary rocks called "fossils"

2. Homologous Structures

That means some species share similar structures developed from the same body parts



Like our wings?

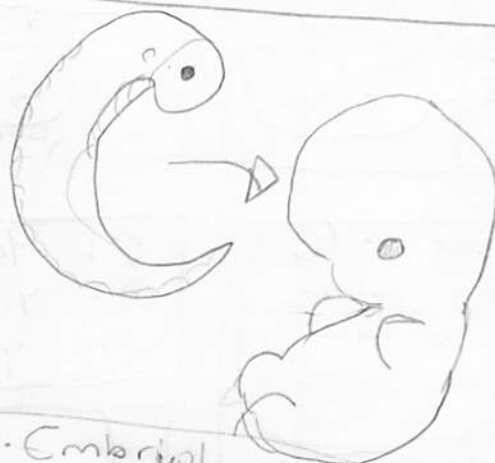
Nope, that's called Analog structure, same function, different structure



(I'm a mammal you know?)

3. Embryological development

Shows similarities in early development which indicates similar goes at work. Related animals shared heritage from a common ancestor.



4. Vestigial organs

Organs with no purpose

Like the Appendix



Product of evolution now, we'll come back to

Analogy example #



BAT



Bird

EVOLUTION

*HEROES!

Malthos

Wallace

DARWIN

Cuvier

Lyell



SFF
G.D



Cuvier!

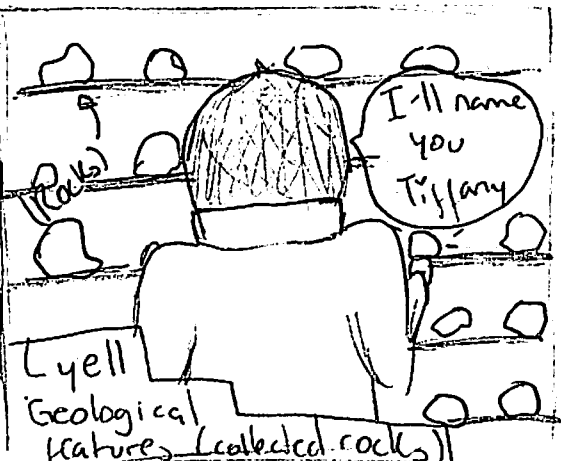
The guy
who collected
Fossils

Need...
more...
Fossils...



"There is
too
many
of
Them!"

Malthus
(Population
growth
Theory)



I'll name
you
Tiffany

Lyell
Geological
features (collected rocks)



Darwin & Wallace

(Wallace)

Yo Bro!
I think
this
theory
is pretty
awesome!

DARWIN



LOL! But they
werent
Freaks

I know, but its
easier that way,
besides, thinking
different at that time
made you a Freak



ON
YOUTUBE?

IKR!?
LETS PUBLISH
IT!

No, lets write
a book!

Charles Darwin came up with this = Natural selection = thing (theory); process in which the =fittest= species are the ones in order to survive.



& Darwin

What does =fitness= means? ...

=The physical traits and behaviours that enable organisms to survive and reproduce in their environments=



So they survive

Yes



In Darwin's book he explains that we all come from a =common ancestor= too.



We could be cousins

You'll never know



Have you noticed that humans select animals to reproduce depending on their characteristics?

Like good looking, useful, food source, pets?

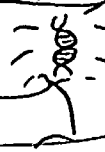


That's called Artificial selection

Yes



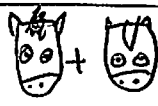
And this characteristics are passed through genes on DNA



Genes, the carries of Inheritable characteristics, are also the source of the random Variation which natural selection operates =



ex.

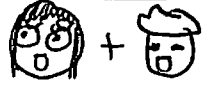


=



Mutations cause Variation.

Parents chromosomes are copied, shuffled like a deck of playing cards and dealt out to the gametes



That's scary

And I think that's basically it



Thank you

A bit simpler, I hope you enjoyed



The end