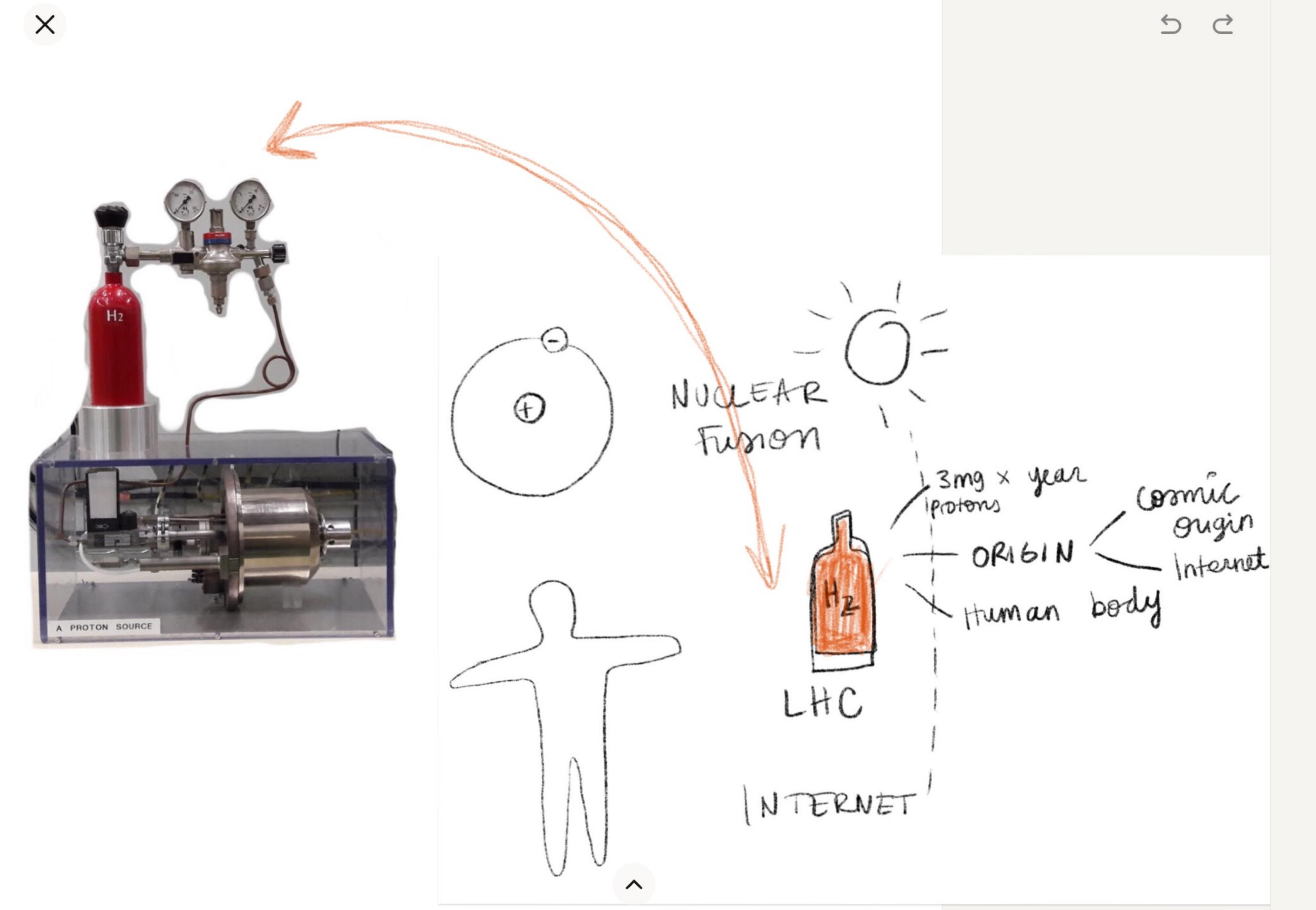
CECILIA PAINIE

The outstanding discrepancies between the astrophysical and terrestrial abundances are displayed for hydrogen and helium. The enormous abundance derived for these elements in the stellar atmosphere is almost certainly not real. Probably the result may be considered, for hydrogen, as another aspect of its abnormal behavior, already alluded to; and helium, which has some features of astrophysical behavior in common with hydrogen, possibly deviates for similar reasons. The lines of both atoms appear to be far more persistent, at high and low temperatures, than those of any other element.

Beyond CurieFour women in physics and their remarkable discoveries, 1903 to 1963Scott Calvin

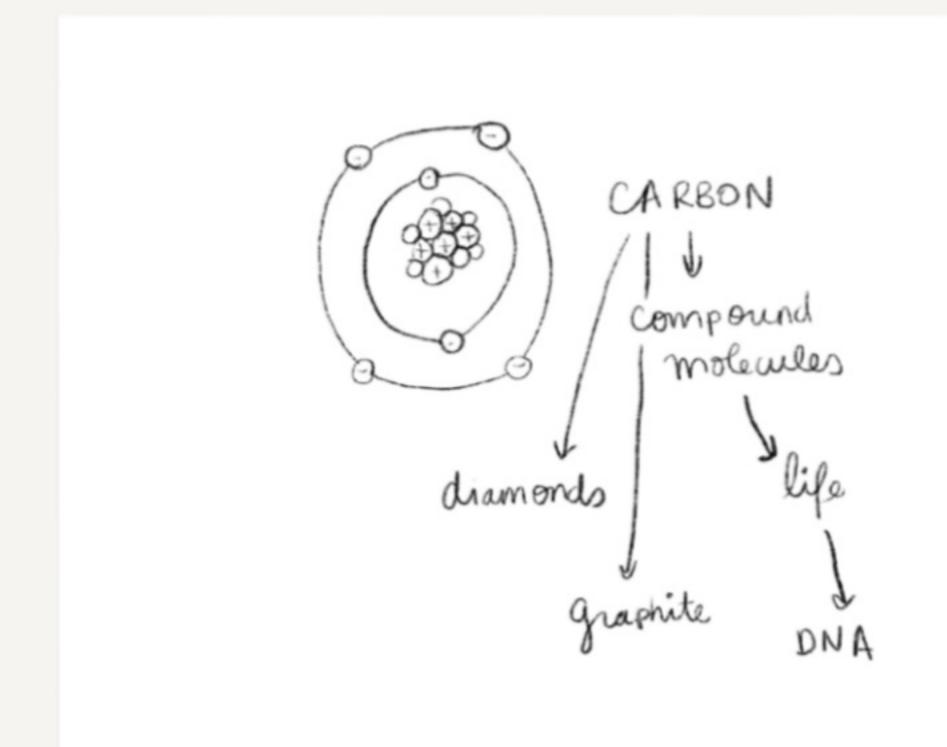
1925





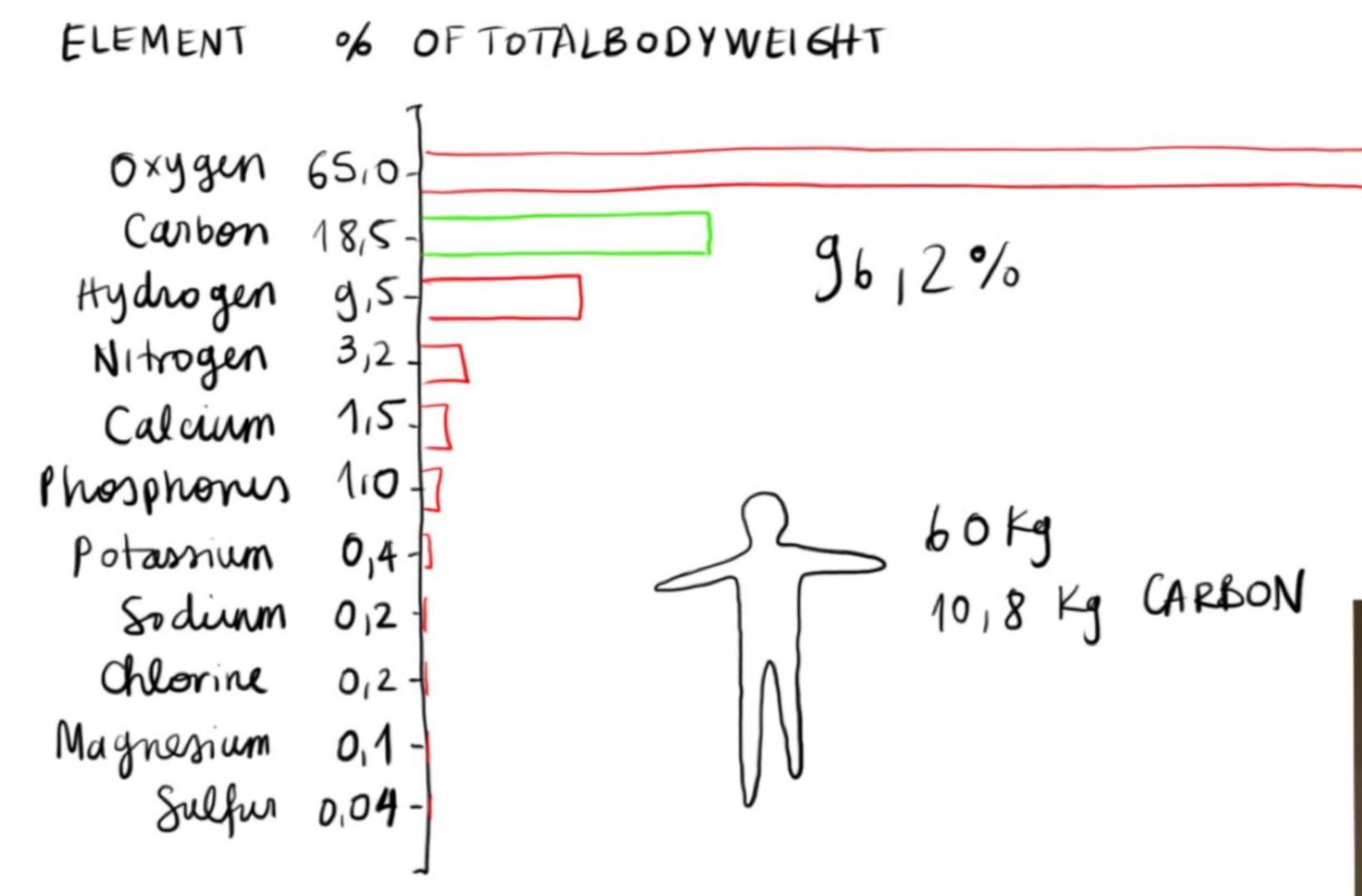
than we should expect. I shall argue that the distinction between a 'living planet' – one that is geologically active – and a living cell is only a matter of definition. There is no hard and fast dividing line. Geochemistry gives rise seamlessly to biochemistry. From this point of view, the fact that we can't distinguish between geology and biology in these old rocks is fitting. Here is a living planet giving rise to life, and the two can't be separated without splitting a continuum.

NICK LANE THE VITAL









DNA Structure Activity

Problem 10: Review of the Features of the Watson-Crick Model for DNA Structure

Components of DNA

DNA is a polymer. The monomer units of DNA are nucleotides, and the polymer is known as a "polynucleotide." Each nucleotide consists of a 5-carbon sugar (deoxyribose), a nitrogen containing base attached to the sugar, and a phosphate group. There are four different types of nucleotides found in DNA, differing only in the nitrogenous base. The four nucleotides are given one letter abbreviations as shorthand for the four bases.

- · A is for adenine
- · G is for guanine
- C is for cytosine
- · T is for thymine

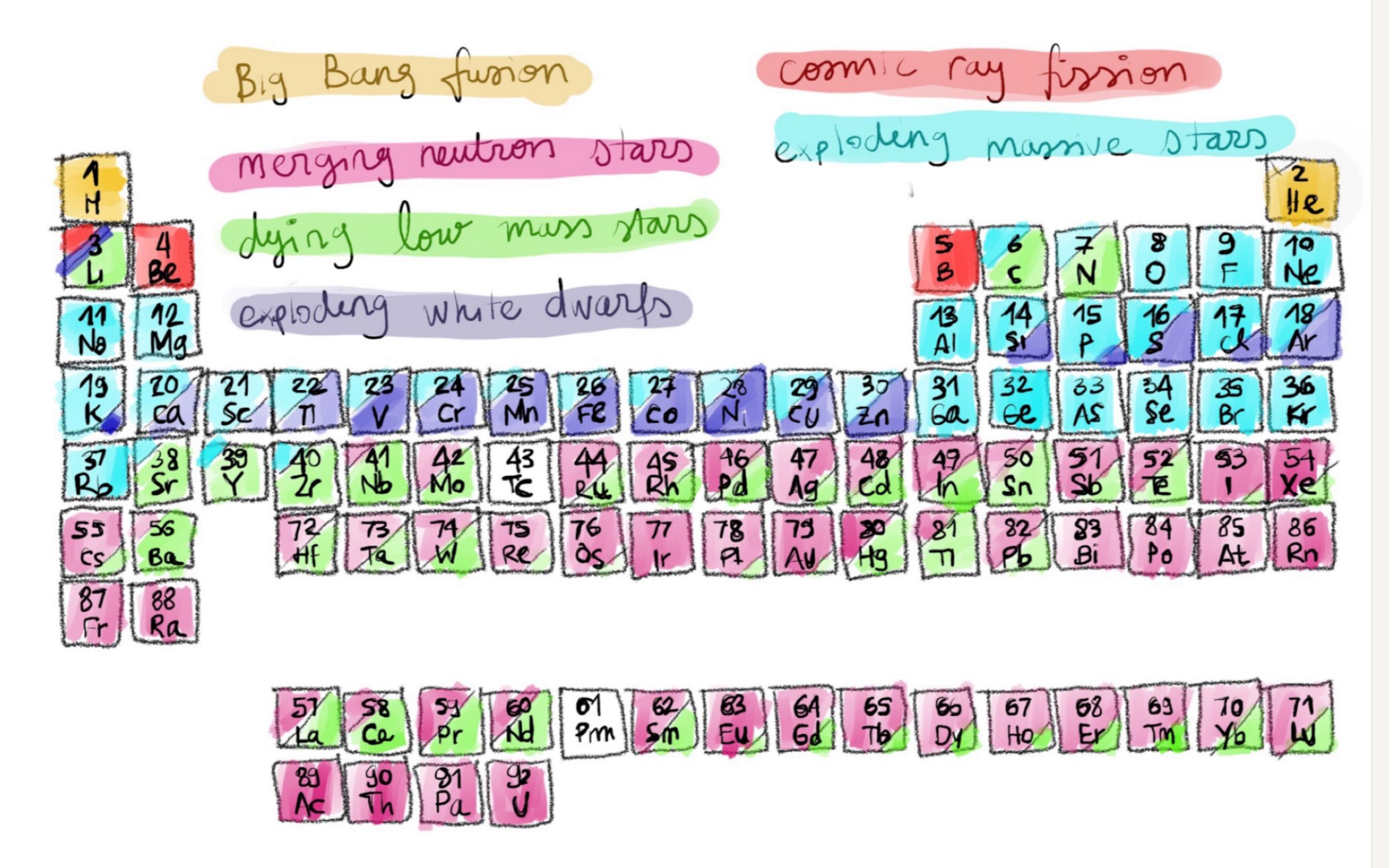
DNA Bases

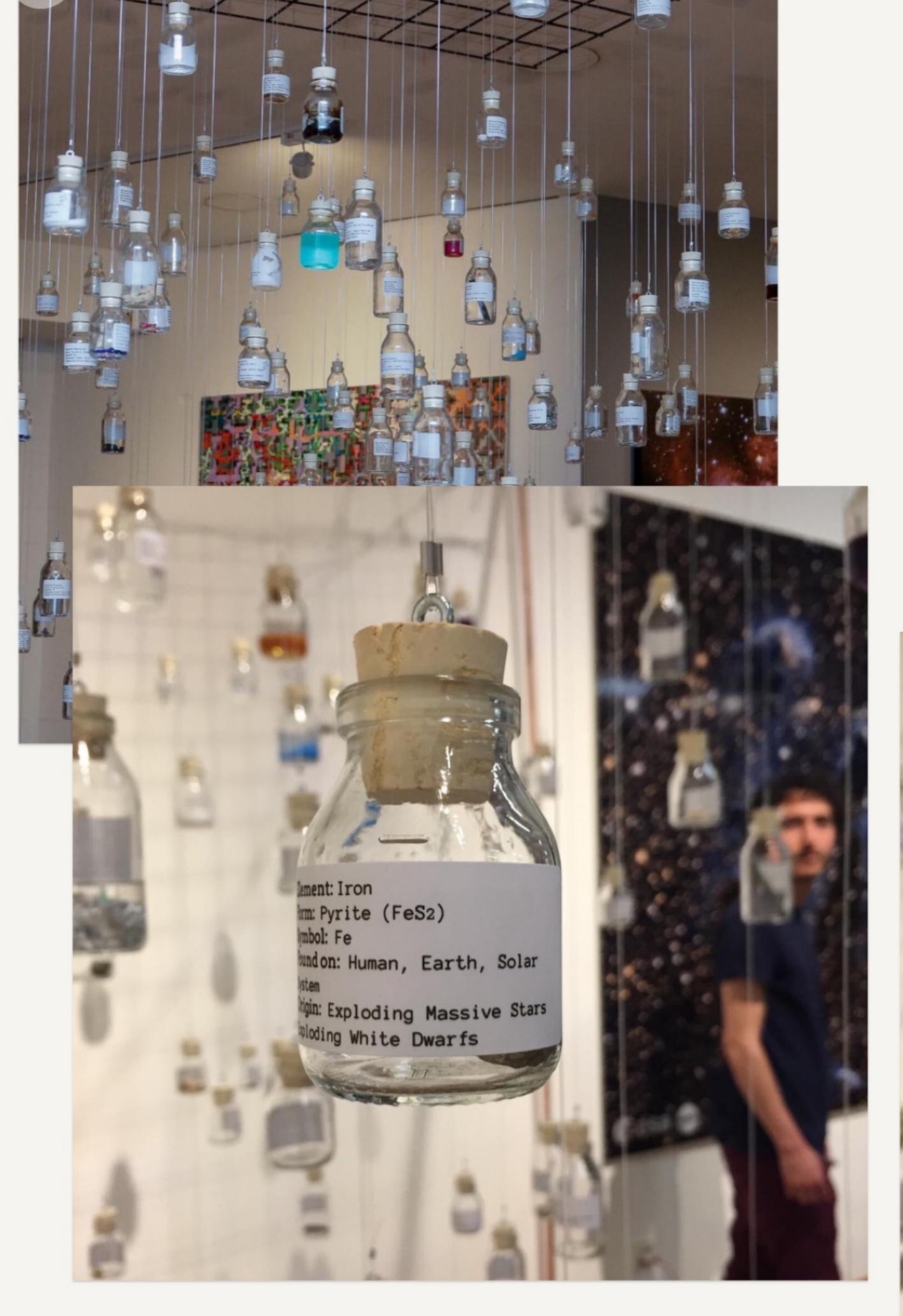
Adenine and guanine are purines. Purines are the larger of the two types of bases found in DNA. The 9 atoms that make up the fused rings (5 carbon, 4 nitrogen) are numbered 1-9. All ring atoms lie in the same plane. Cytosine and thymine are pyrimidines. The 6 atoms (4 carbon, 2 nitrogen) are numbered 1-6. Like purines, all pyrimidine ring atoms lie in the same plane.

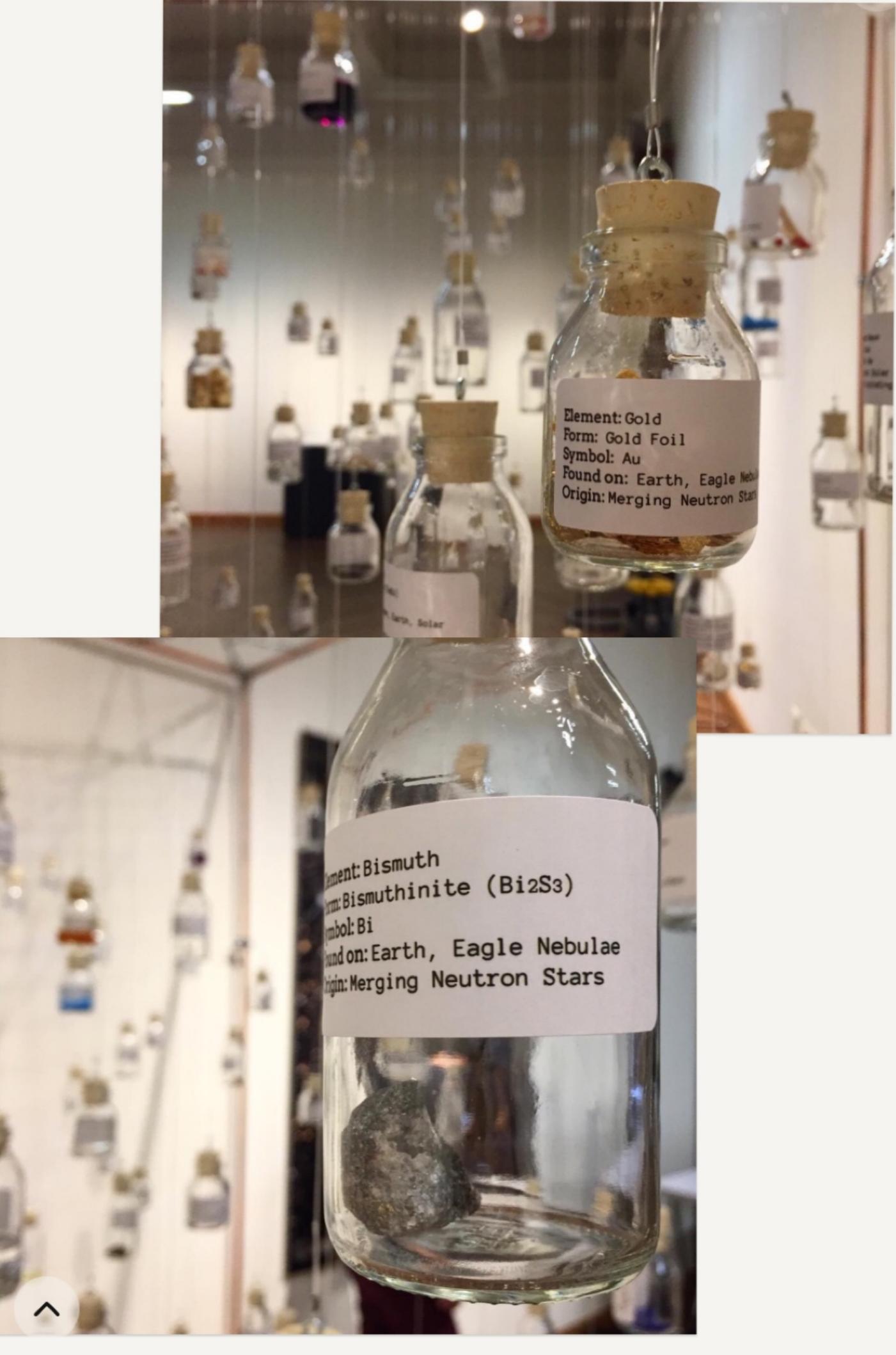
Deoxyribose Sugar

The deoxyribose sugar of the DNA backbone has 5 carbons and 3 oxygens.









terographing massive stars exploding massive 3%. = Big Bang funon 10% e dying low mans stars rexploding massive. Stars

Meiss





From april 28th at 6:00 am to may 28th at 12:00 pm we have registered in our



victims of physical violence by the police

victims of homicides allegedly committed by the police

1649

arbitrary arrests

705 violent interventions by the public force

65 victims With injuries to their eyes

187 cases of

firearm shootings by the police

25 victims of sexual violence by the public

force

1. 29 cases of homicide are currently under verification for circumstances of time, place, mode of action, social context and









20:05 Montag 23. Nov.

The Nonessential Essential -testprint - daniela brill copia 3.pdf

? 48 % **☞**

Q



•••

Most of the carbon in the universe is created when low mass stars die, although there is also carbon being created when massive stars explode. Every element in the periodic table is created either when a star explodes or when it merges with other stars, the only exception to this are the ones created by cosmic ray fission or direct out of the big bang, which is the case of hydrogen.

Every carbon atom in the universe is exactly equal as every other carbon atom. And carbon is an essential part of the earth, of its cycles, of the atmosphere and the living and non-living matter that inhabit it. My hypothesis states that carbon atoms, being the element that binds life through compound molecules, have an intrinsic force that drives them differently when building up the calcium carbonate of the shells or when building up the DNA of the snail inside the shell. Carbon is the only element that has the ability to bind compound organic molecules, thereby creating "living matter". Although science is trying to find the way to bind life out of silicon atoms (silicon-based life), on earth, there is only carbon-based life.

Carbon decays in different isotopes, including Radiocarbon, or C14, which is radioactive carbon found on archeological pieces and useful to find out how old organic matter is. This carbon is the same that used to keep the organism alive, the one that bounded the compound molecules into living matter. And after millions of years, it starts decaying, and becoming radioactive, changing into a different state. As I said before, this decay takes places thanks to the weak force.

Going back to the idea of wild speculations, I would like to state that these carbon atoms are not only driven by outside forces in order to create compound molecules and afterwards decay and become radiocarbon, and afterwards become mineral carbon and start the cycle all over again. I think they bear the Force of Embodiment, keeping the quarks and leptons functioning as basic building blocks of matter. It is not only the environment which shapes living matter but the F.E that steers it into the direction of the form it will take.

The cycle of carbon during the creation of solar energy is a good example to explain the states of matter it embodies possibly through the Force of Embodiment working together with the electromagnetic/weak force and the environment the reaction is taking place:

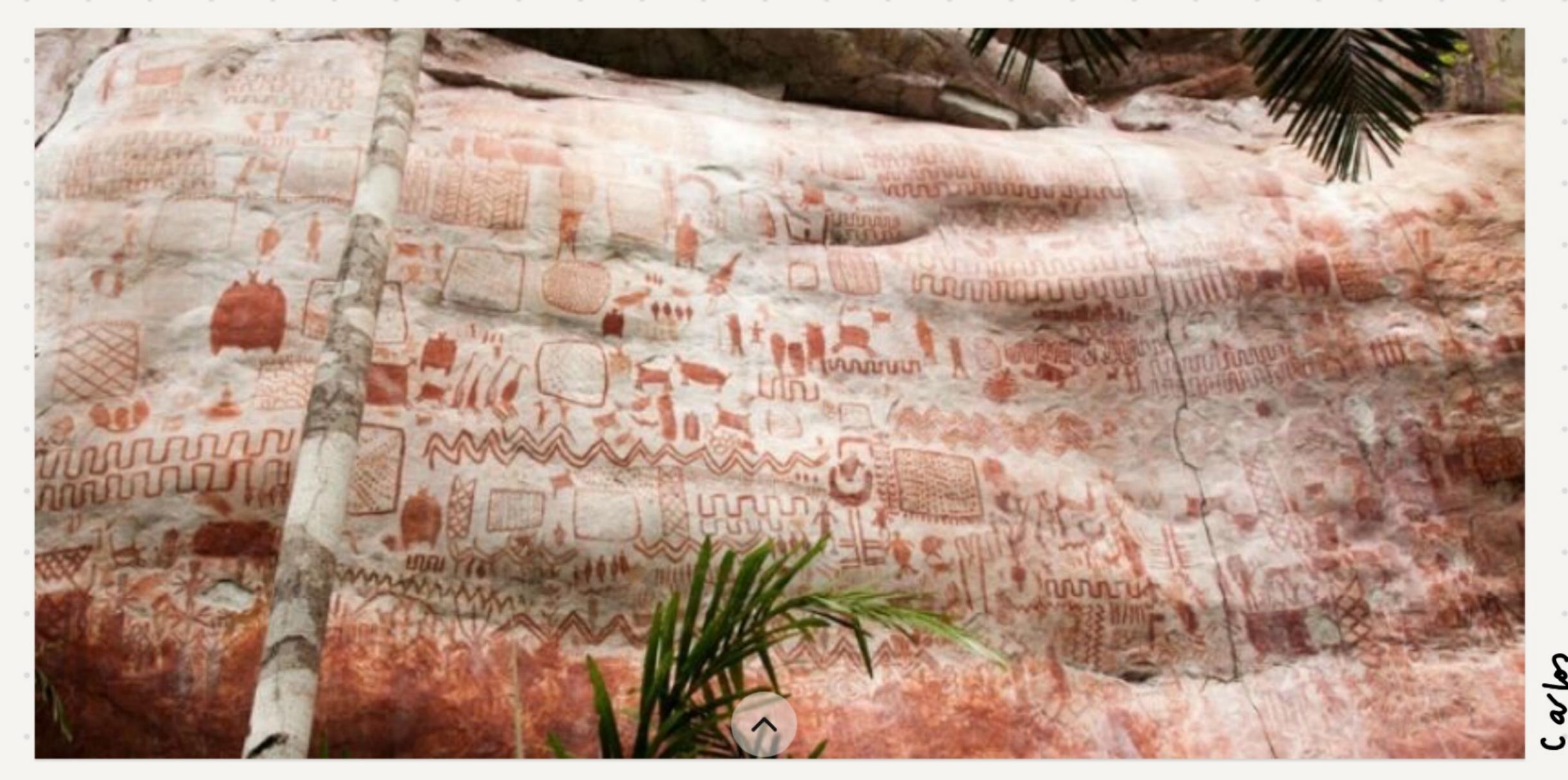
AISTHESIS

Bezogen auf den Begriff des Gefühls:

(Greek: Emotions:

Feelings, perceptions, sensations)

Wissen beginnt mit Aesthesis
95% der Geschichte der Menschen spielt sich
im Paläolithikum



Cartaino-Uile

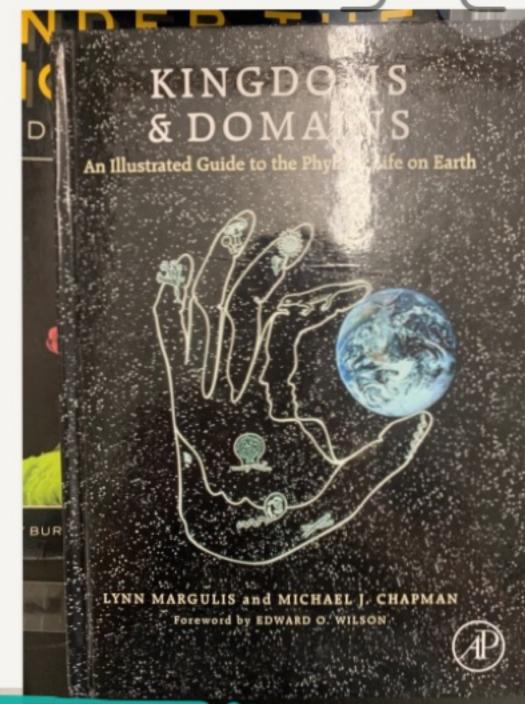
not an insistence that quantum physics can provide an explanation for everything under the sun – as if this were some new theory of everything. Quantum physics profoundly disrupts many classical ontological and epistemological notions what we take for granted, and delving into the details of this disruption can open up exciting realms of thought. I am sympathetic to my physics colleagues' strong reactions against the all-too-familiar approach of drawing simplistic analogies between the way things happen

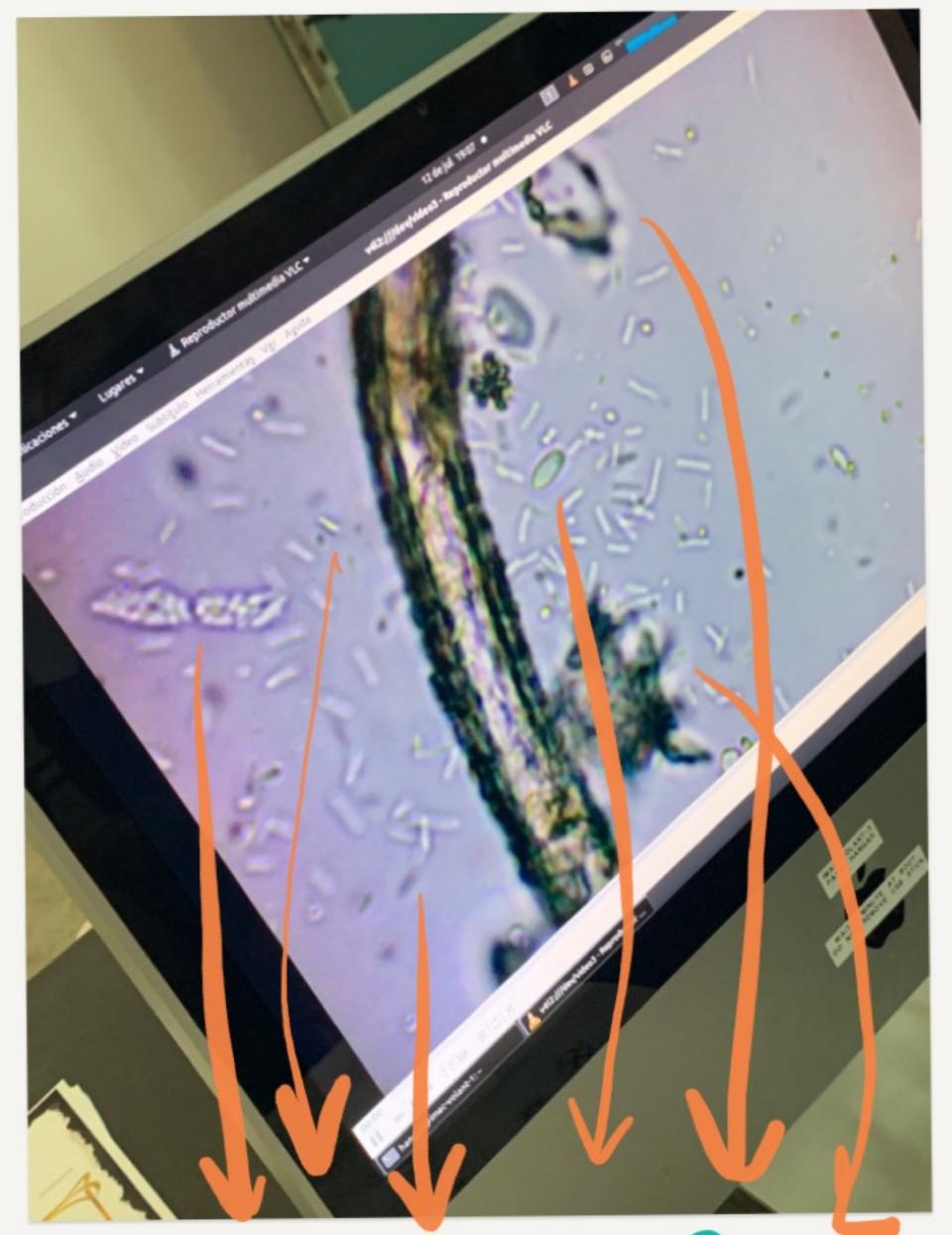
nothing is by-default!

not simply strange. There's quite a bit to be said here, and I've discussed this in written work, but for now we might keep this in mind: Queer is a radical questioning of identity and binaries, and quantum physics, like queerness, displaces a host of deeplyheld foundational dualisms. One could say that this denial of quotidian queerness of the world is a kind of queer-phobia. (Which is not to say that the new-age embrace of everything quantum is a celebration of the queer either, because what is be-

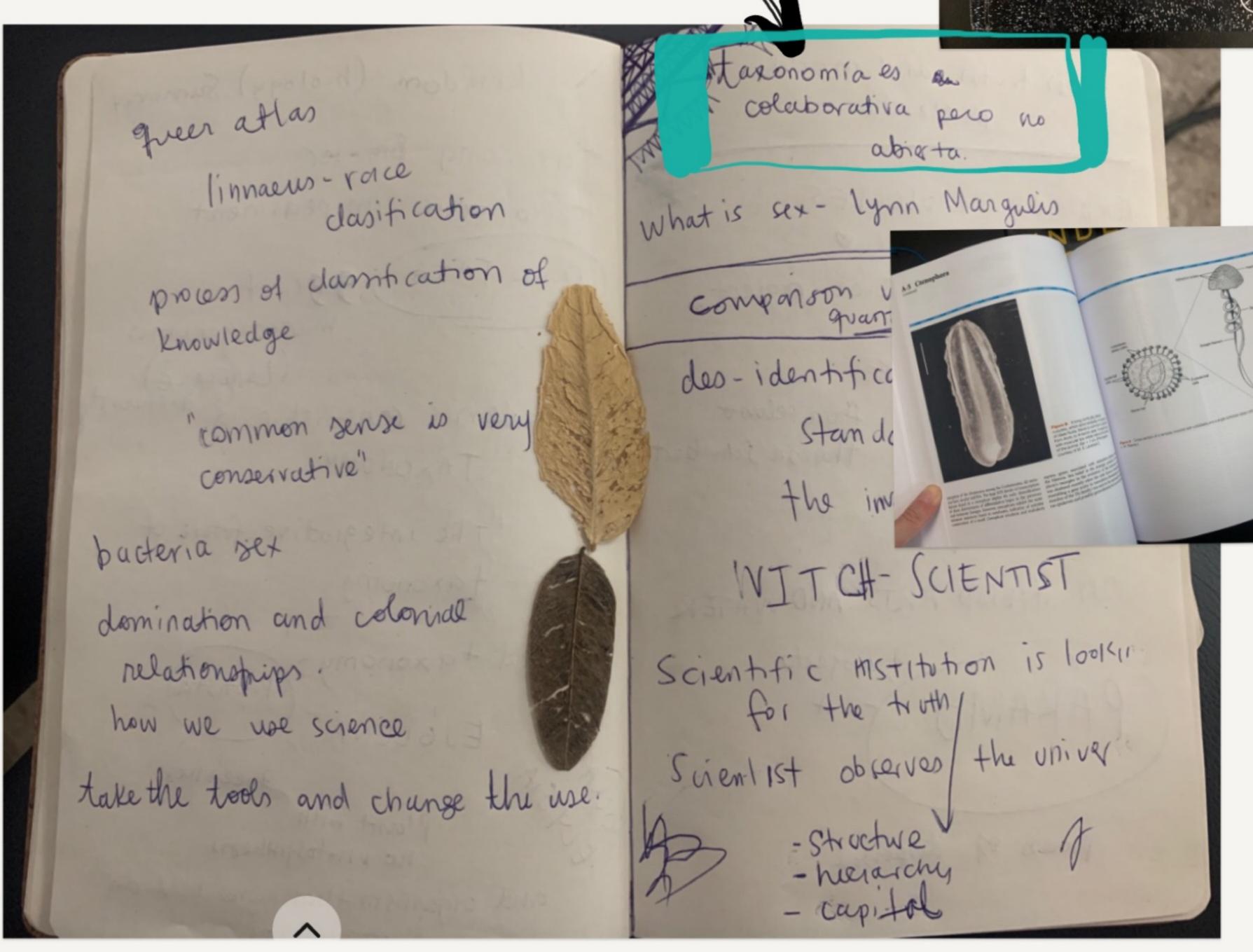
In dividualistic marvaux encrypted
Small binary
binary
dualistic (ollabonative

ANDNONY AND THE QUEER ATTAS





WHOARE YOU?



JAUDIVIQU1

FIGHT FOR WHAT LAND?

WHAT IS PORTUGAL?

LANGUAGE: Suelo SELF MISMO WHAT IS THE EXTENSION OF

ANIMAL SELF TERRITORY TERRITORIO PIECE of Earth (8011)

TIETRO-EARTH ANIMAL IS IT POSSIBLE TO OWN
PROPERTY PROPIO-OWN MY OWN TERRITORIES? CONSENT - CONSENTIMIENTO NHAT CONJENT IS IT POSSIBLE &

ANIMAL TO GIVE?
HOW TO TEACH
CONSENT
ONE - TO GETHER
WHAT STHIS AN INDIVIDUAL? GAM I EVER A UNITY . OND INDIVIOUAL ANIMAL Individuo

not possible to divide

^

does this exist? - > = 3



HANGING TWO FRIENDS 6UT

 $\stackrel{\smile}{\sim}$

WHY MUHPPLE MEANING WHY CHACE MEANING WHY CHACE

DARK TAXA

(comparisson to dark møtter ov dark genes)

ACADEMIC CENSORSHIP IN TAXONOMY!

"THE INTEGRATIVE
FUTURE OF
TAXONOMY"

4+40 FISH/WOMAN NEEDS NO KIN6!

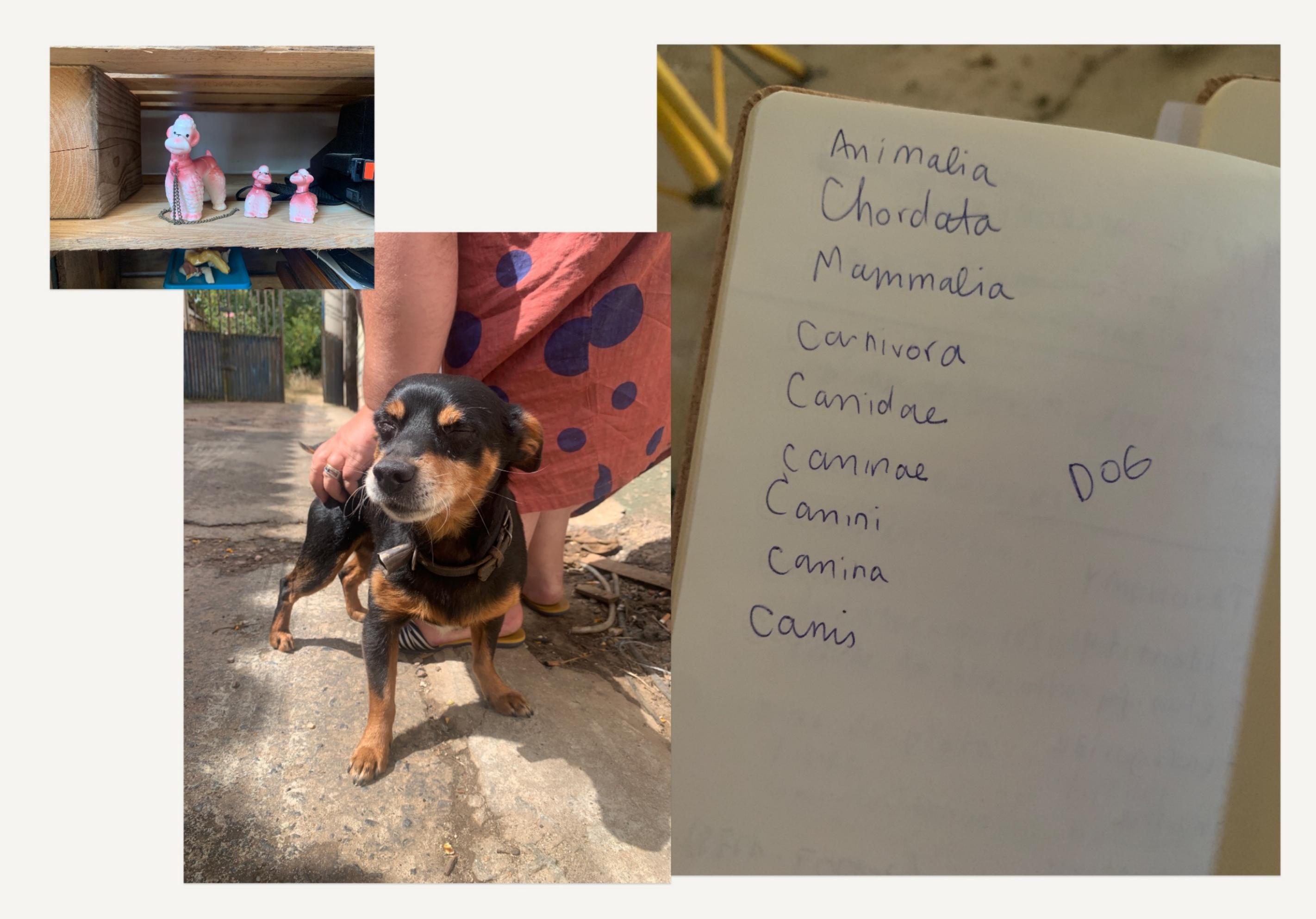
* SHE CHOOSES HER OWN FAMILY!

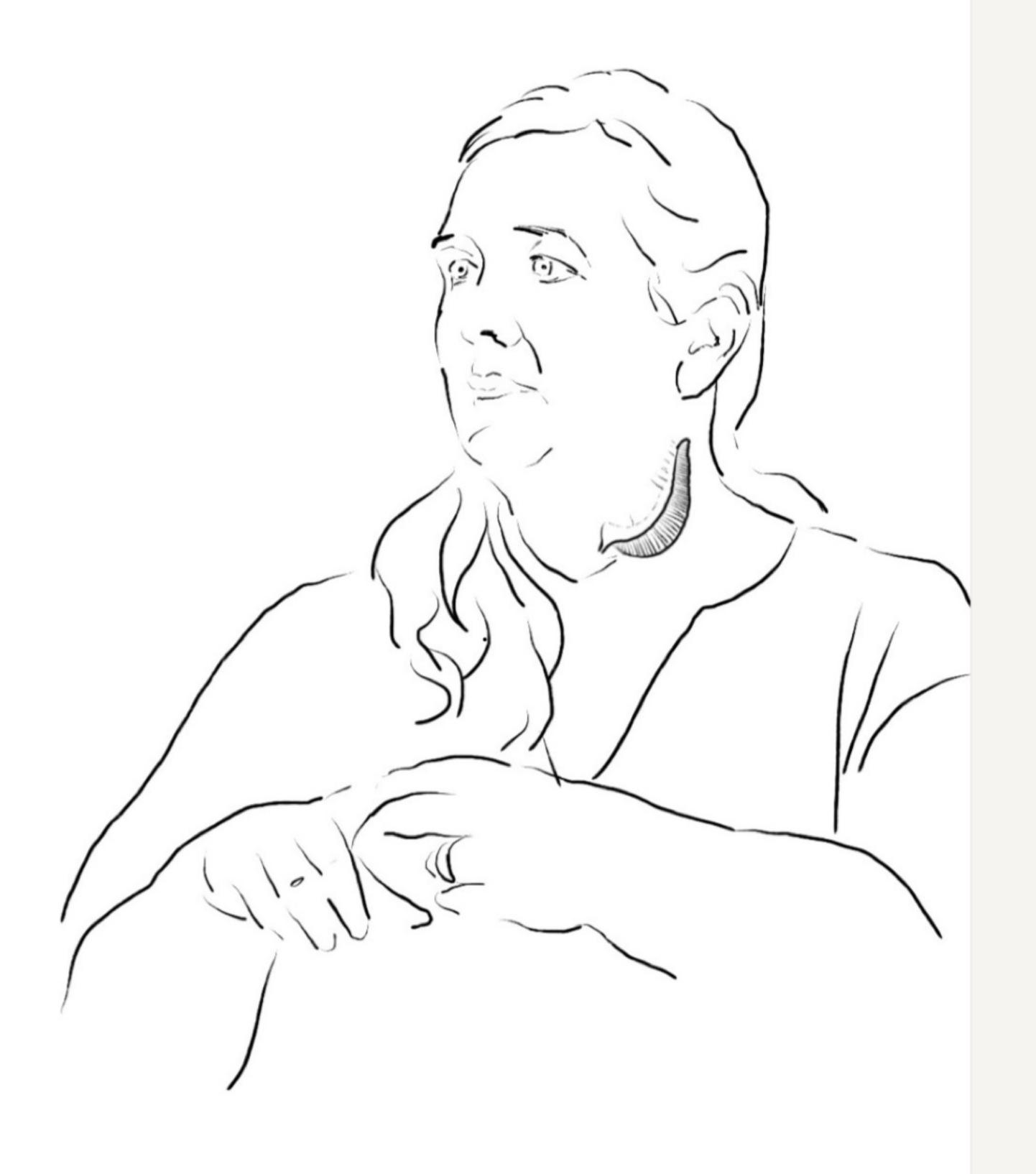
* DOESN'T BELONG TO ANY CLASS OR ORDER! THE QUETER SIDE: SOCRATEA ELYSIA

FLANTS that don't do photosynthesis moving organisms that do.

World around us TAXONOMY - Identify - clasify - categorize -name Linnaeur (8FF1- FOF (188)) Kingdom Phylum Order family

Kingdom (biology) Summary Taxonomy Browser Taxonomic impediment DOK TAXA 991. of microorganisms academic gensorship TAXONOMY 'The integrative future of 31 Cria X taxonomy" forced + 9 xonomy -EU6LENA greeness Plant with no photosynthesis and organism that moves but do photosyntheois





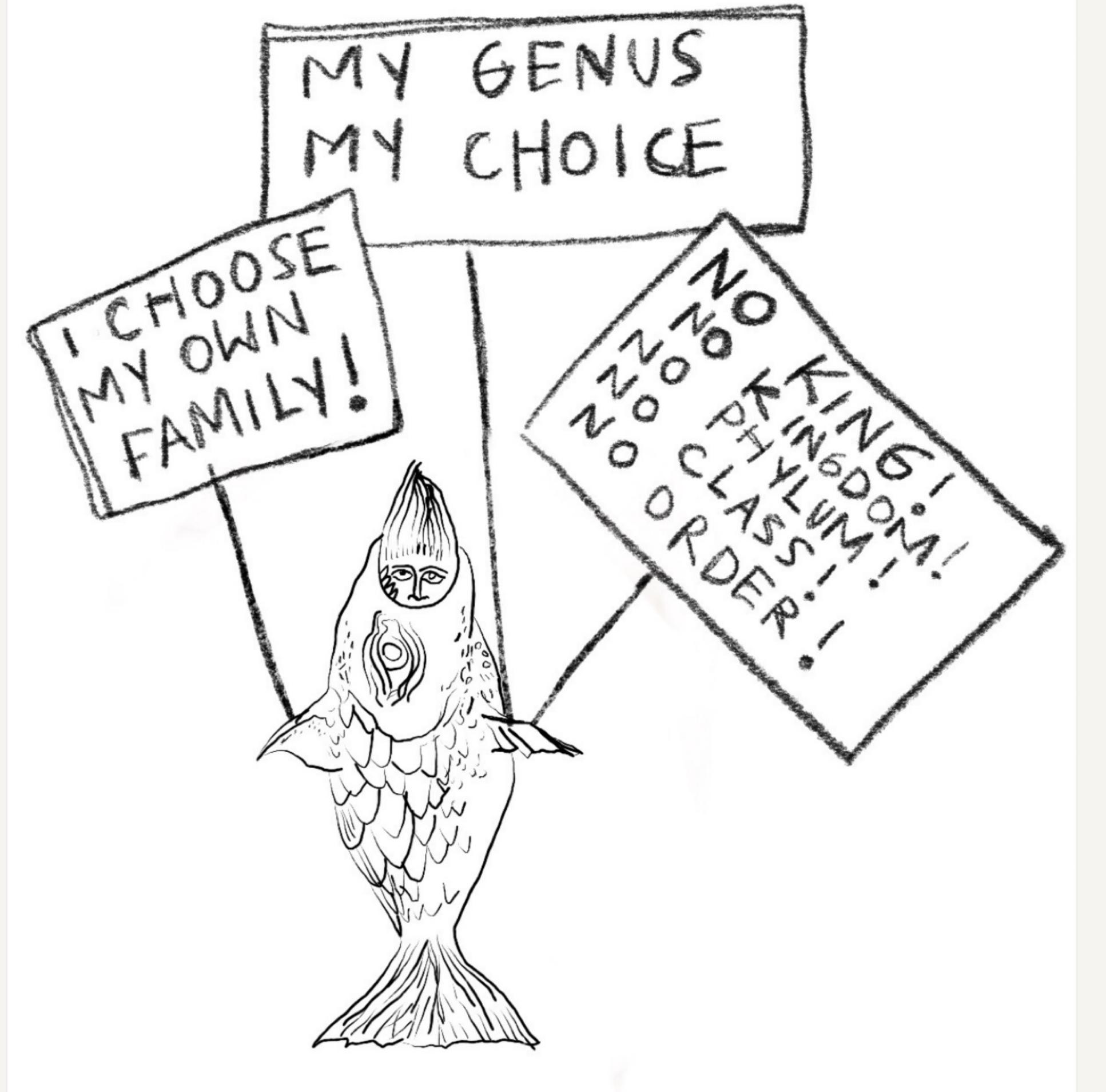
Marta with gills.

1. a woman a shish



the man from #+lantis

X



Based on the drawing by Leonora Carrington
The fish/ woman does not need western
Taxonomy to tell her who she is



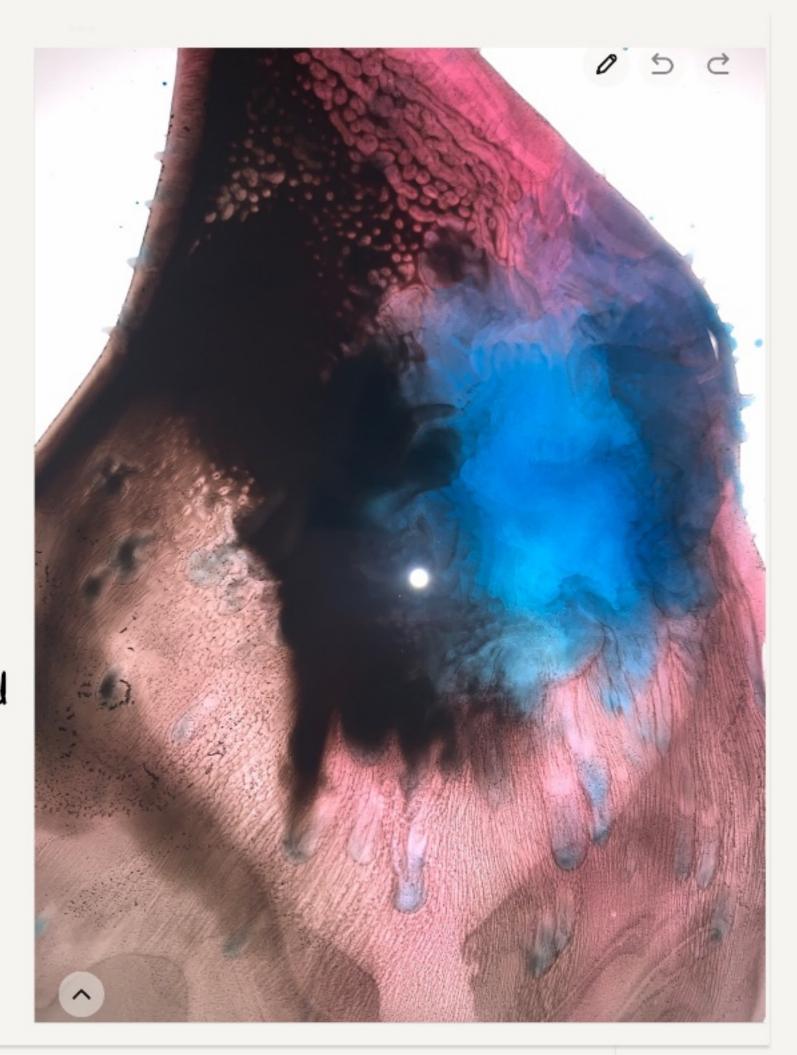
X

River water

MIRA- salty
water

- food whoring (blue)
- carbon ink (black)
- drawing ink (pink)

- BARN - really humid and dark no wind

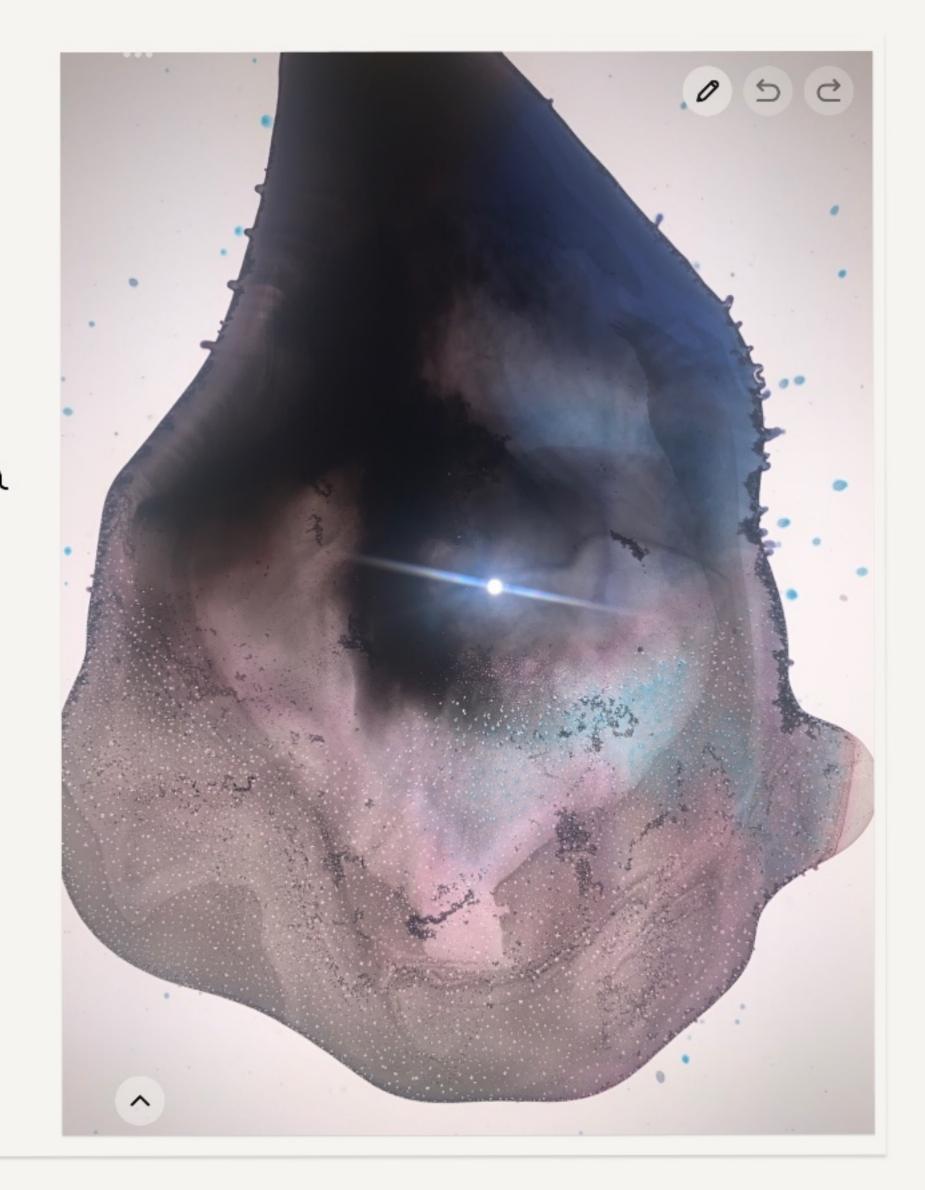


Ougstals appear after 24 hours

patlern:

fills the Smaller ones form less colour

Stagnation of water maker the orgatals brigger and more complex







grown up"

orystall =

pynamids

ypes

bodies constitutes a body?



MATER BODY

POLITICAL BODY

ANIMAL BODY

BODY PO ETICAL

exploding massive 3%. Big Bang Funon 10%

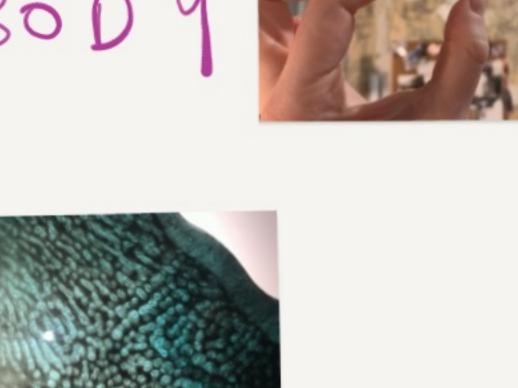
Eexploding massive 63%.

breat hes moves di gests transforms

ORGANIC INORGANIC BODY

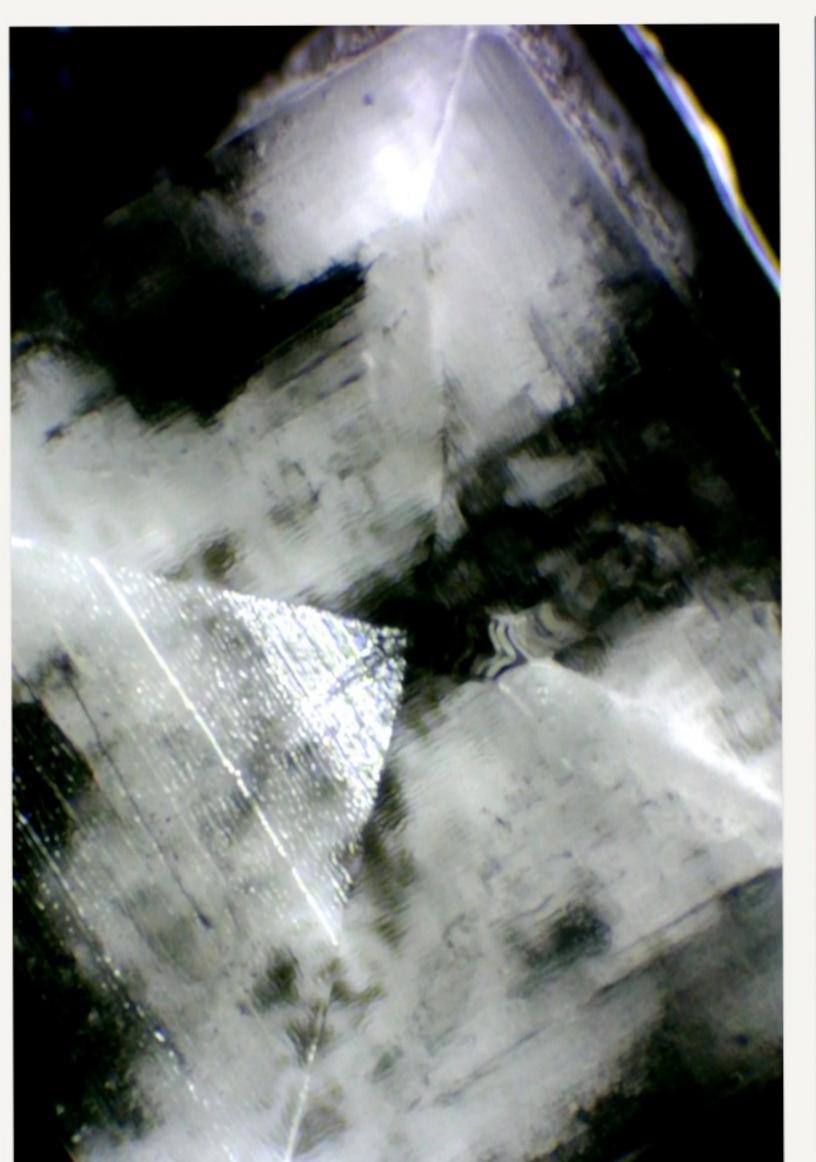
MINERAL BODY

MOLECULAR BODY











Shift in perspective Empathy

IDENTITY related to the shift in perspective

Trying to understand the perspective of another

You always understand yourself through understanding another Anything that triggers the shift in perspective is stimulating - mind is

challenged to understand it from a different perspective

How far! 1 dentity? can I really understund any other identity besides my over!

What am willing to trigger to feel the stimulation?

perspective am How far away from humans? women? animals: vartebrates!

changing?

