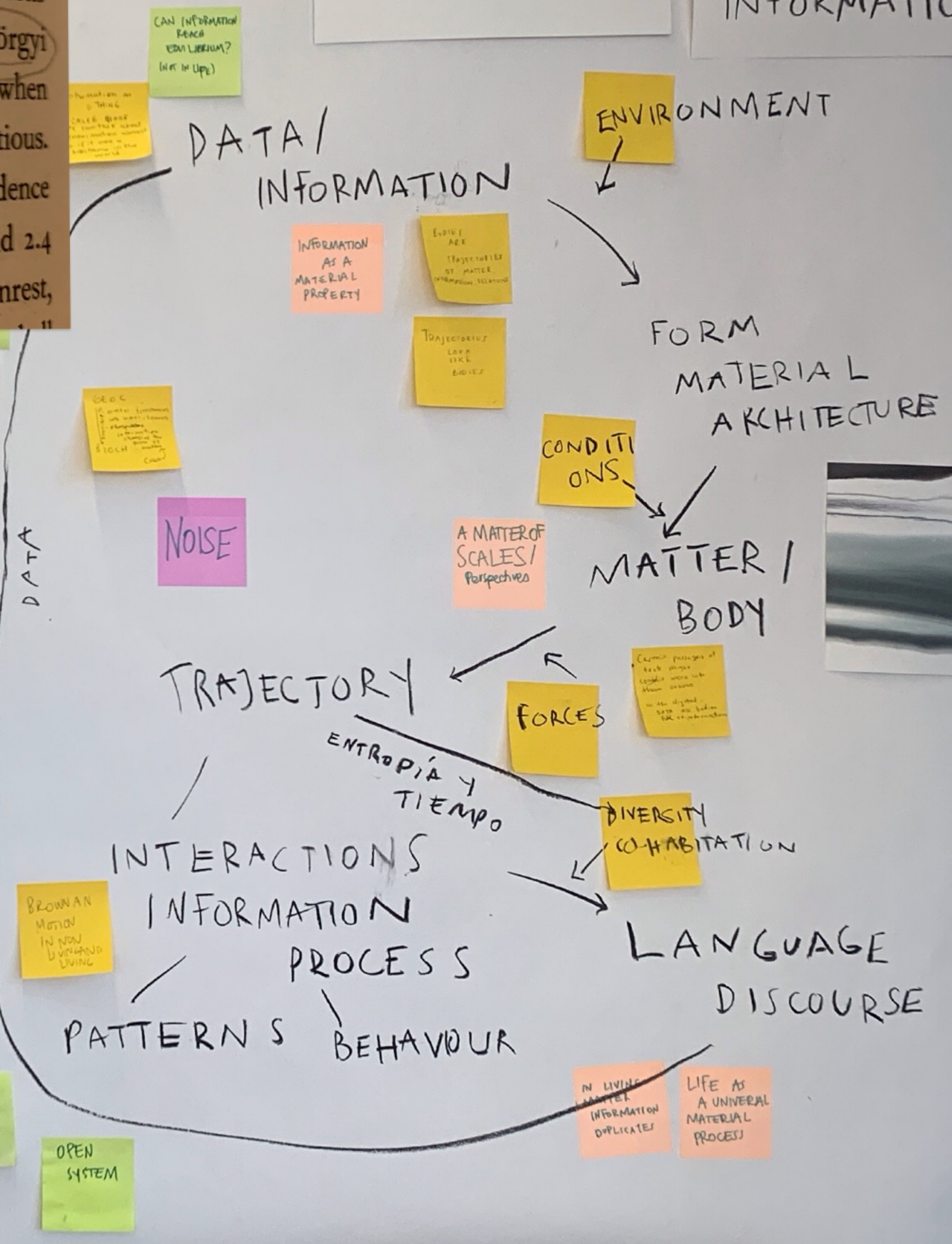
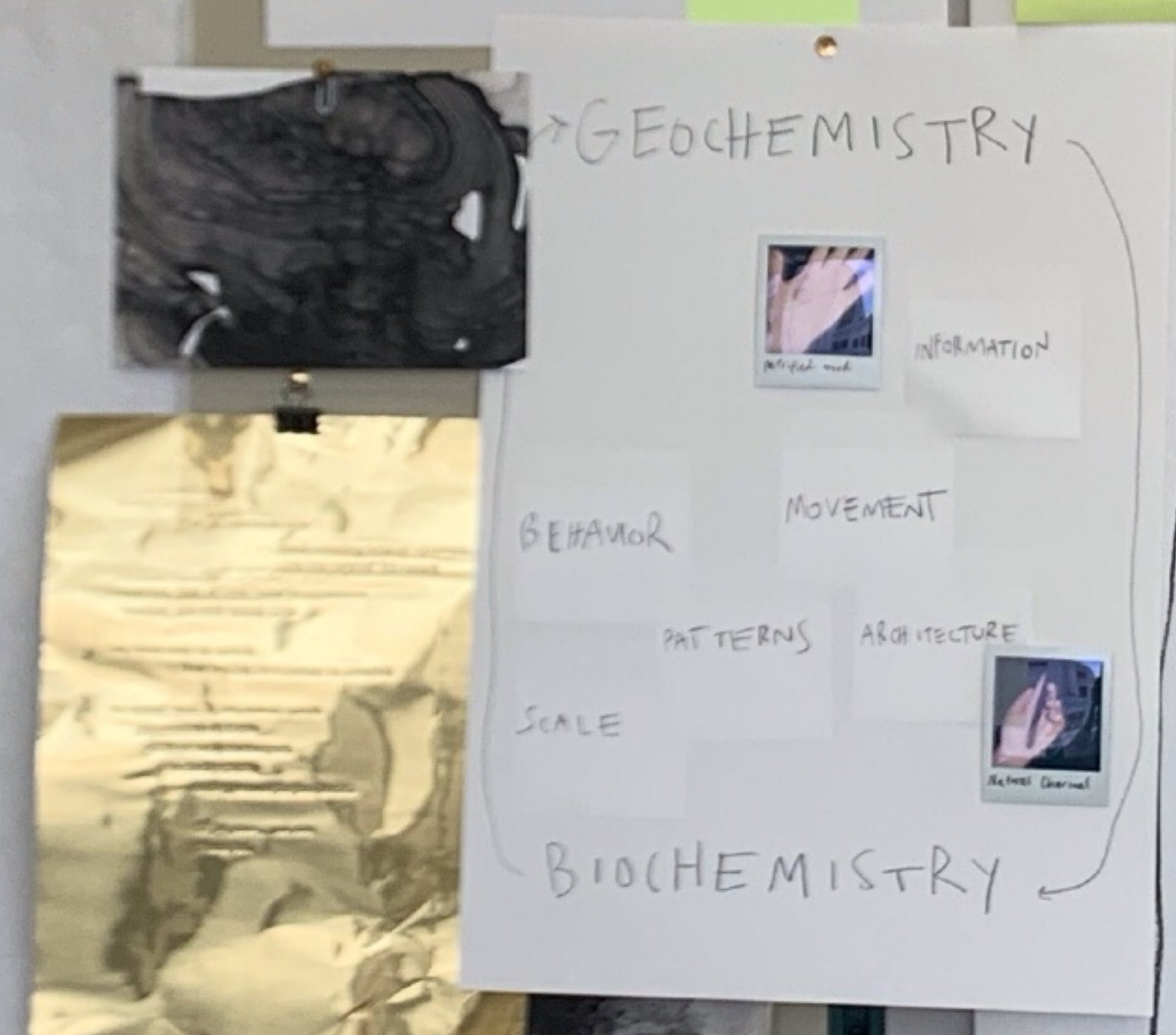


crack, by far, is water. By 3.2 billion years ago, life was extracting electrons from almost everything else. Life, as biochemist Albert Szent-Györgyi observed, is nothing but an electron looking for a place to rest. Quite when the final step to extracting electrons from water took place is contentious. Some claim it was an early event in evolution, but the weight of evidence now suggests that 'oxygenic' photosynthesis arose between 2.9 and 2.4 billion years ago, not so long before a cataclysmic period of global unrest,

DIFFERENT TRAJECTORY

COMPLEX TRAJEC TO F OF INFORMATIO

things are intrinsically mysterious



THE MOVEMENT OF LIFE IS ALWAYS COMPLEX
LIFE IS AN OPEN INFORMATIONAL PROCESS

TOO MUCH

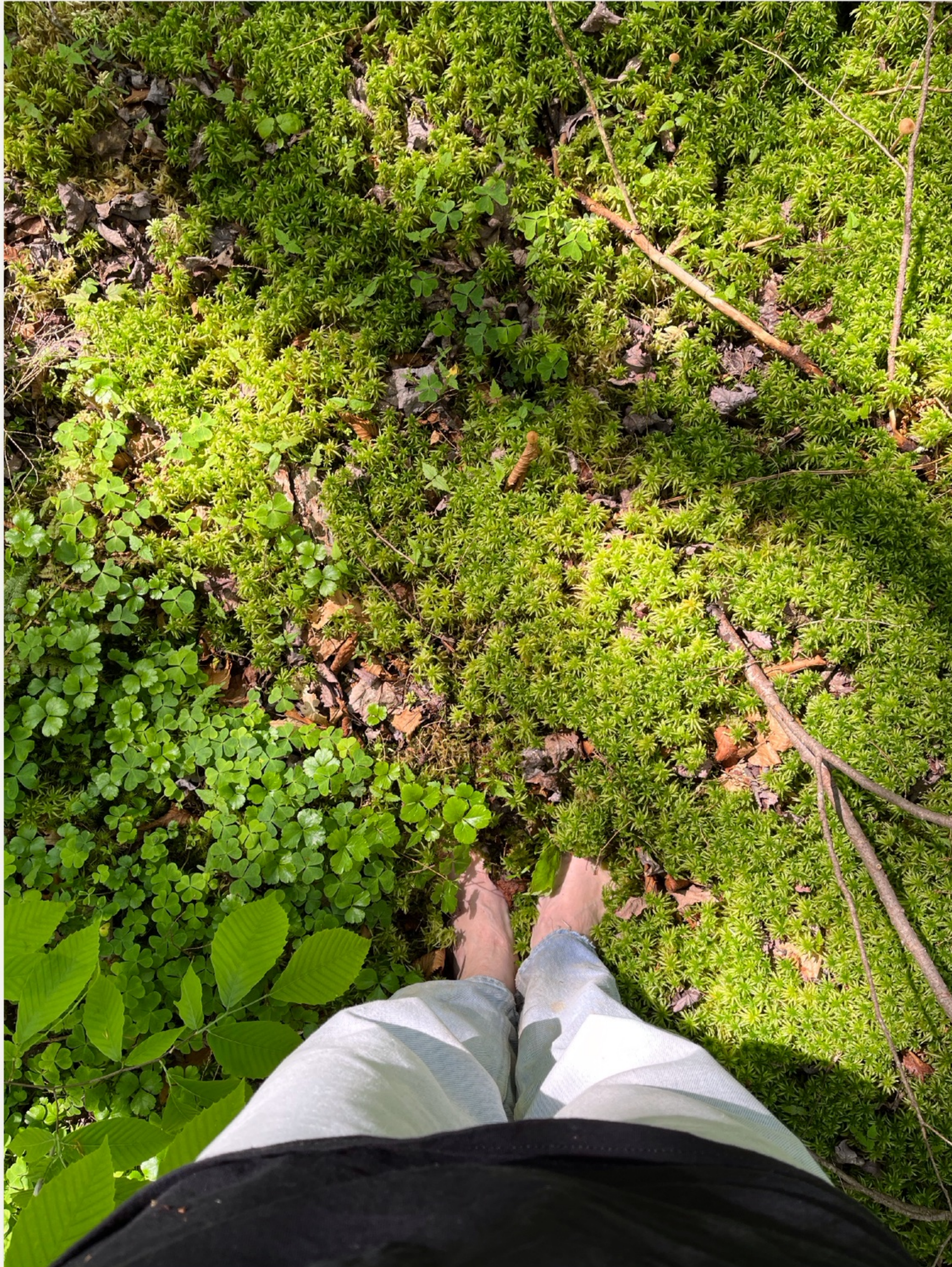
ORDER IS A

SIGN OF

DANGER



WAYS OF
NATURE
STUDY



**AESTHETICS
AS A
TOOL FOR
NATURE
STUDIES**

IN-DISCIPLINE

YOU CAN NEVER
ACTUALLY KNOW
THE WHOLE THINGS

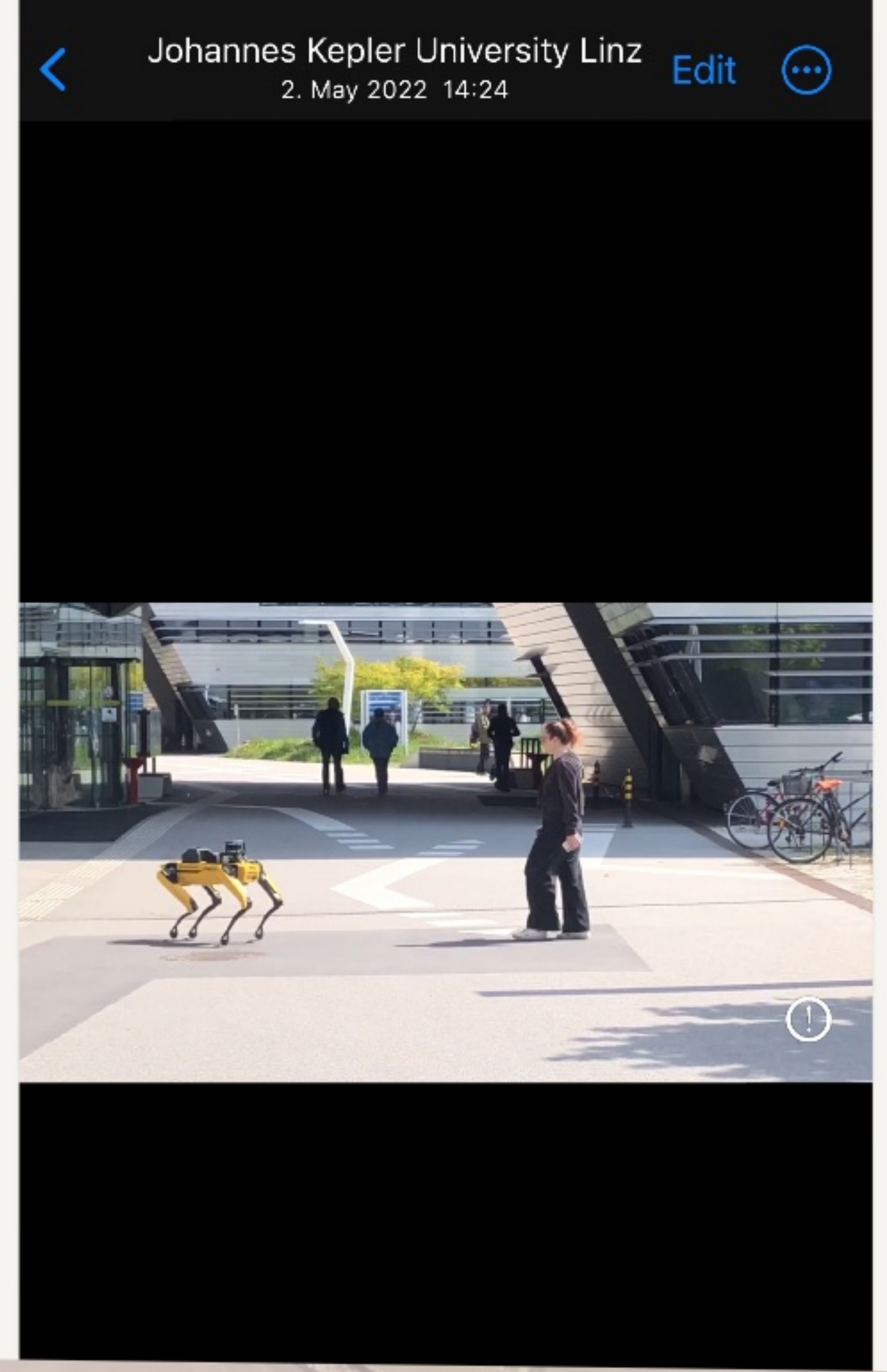
OBSERVERS ARE
INHERENTLY FINITE ??
AND CAN'T GATHER
COMPLETE INFORMATION

R. Adamala

disciplines are
necessary because
our body cannot grasp
the whole universe.

→ advances in
technology

but knowledge needs
to be collaborative
and shared to
generate meaning



SPOT

DANIĚLA

TAXONOMY
TAXONOMIZE:
TO ASSIGN
UNIVERSALLY
ACCEPTED
NAMES (!?)
TO ORGANISMS

SCALA NATURAE
PLANTS → MAN
⋮
2 KINGDOMS
↓ ↓
PLANT ANIMAL

ARISTOTLE
SYSTEM THAT LASTED
2000 YEARS
"SCALA NATURAE"
("great" chain of beings)

Carol Linnaeus 18th century
7 category system

1. CHOSE LATIN
18th CENTURY
SCIENCE
(WHO WAS DOING
SCIENCE?)
2. BINOMIAL
NOMENCLATURE:

KINGDOM
PHYLUM
CLASS
ORDER
FAMILY
GENUS
SPECIES

1. GENUS 2. SPECIES

- NAMES BASED ON
- PHYSICAL CHARACTERISTICS
 - BEHAVIOR
 - HONORARY (!?)
 - LOCATION & HABITAT

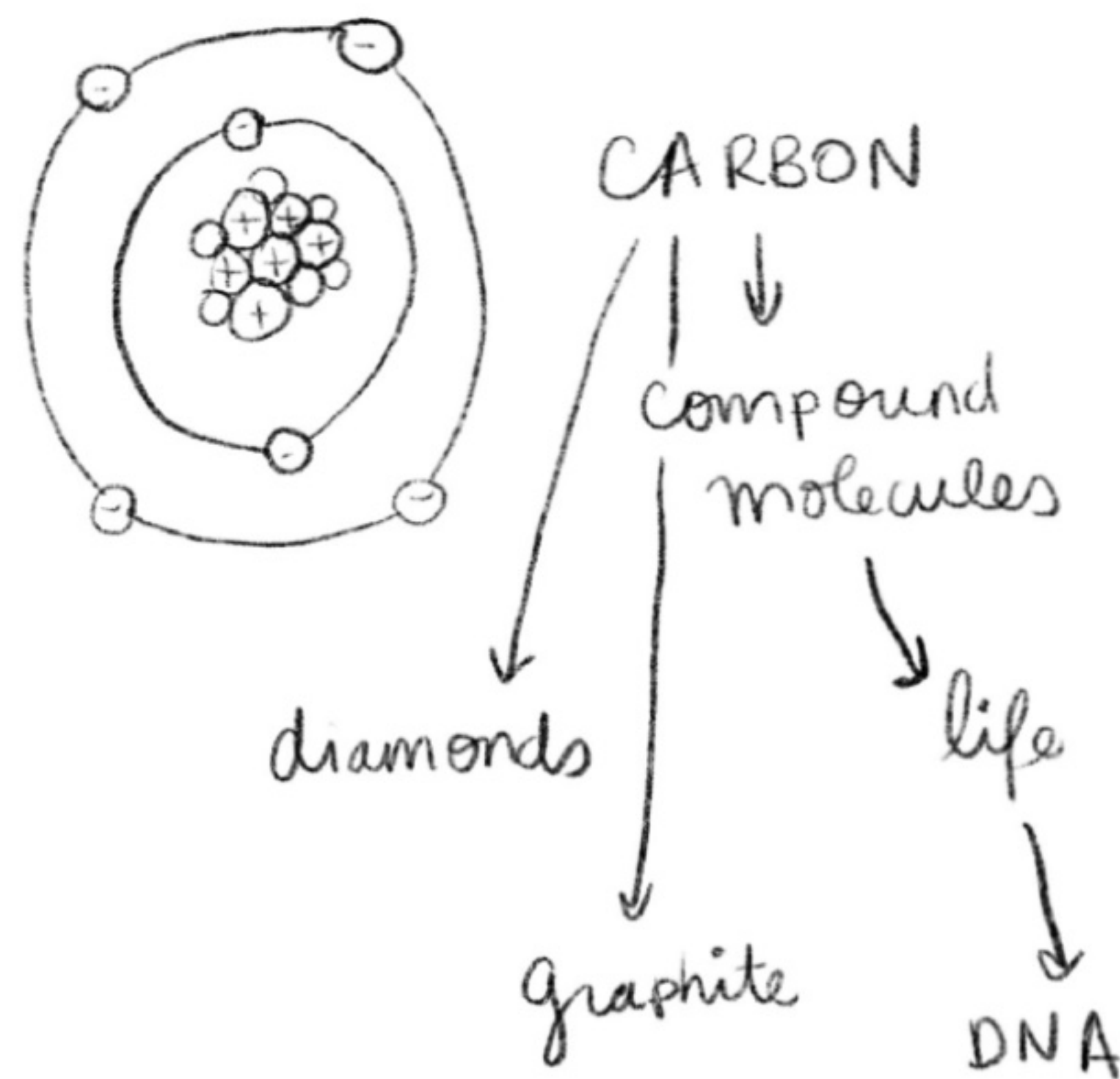


ELISIA
TIMIDA

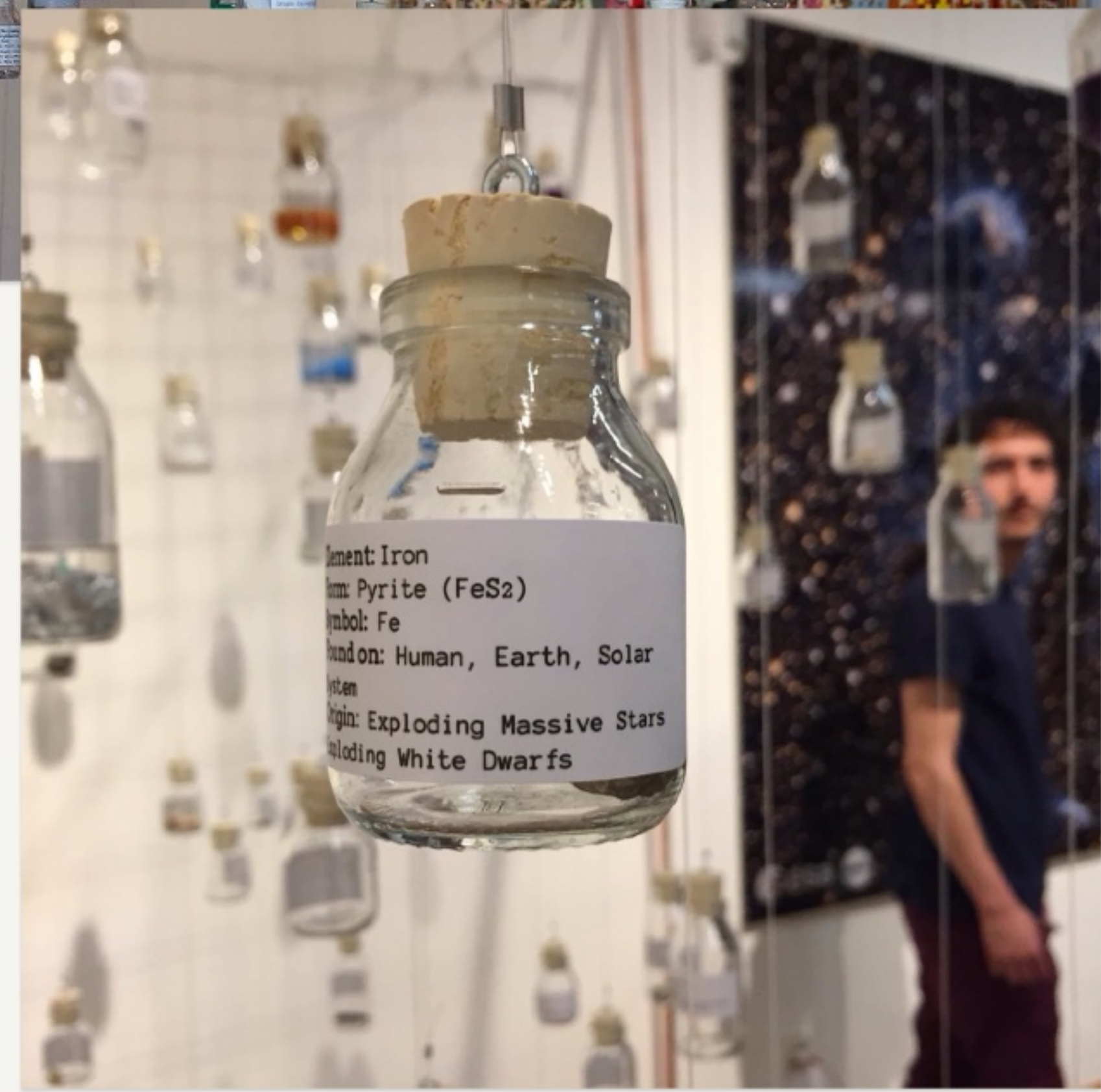
than we should expect. I shall argue that the distinction between a 'living planet' – one that is geologically active – and a living cell is only a matter of definition. There is no hard and fast dividing line. Geochemistry gives rise seamlessly to biochemistry. From this point of view, the fact that 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
QUESTION

HOW TO
STUDY LIFE
WITHOUT DIVIDING
IT INTO
TAXONOMIES AND
DISCIPLINES?



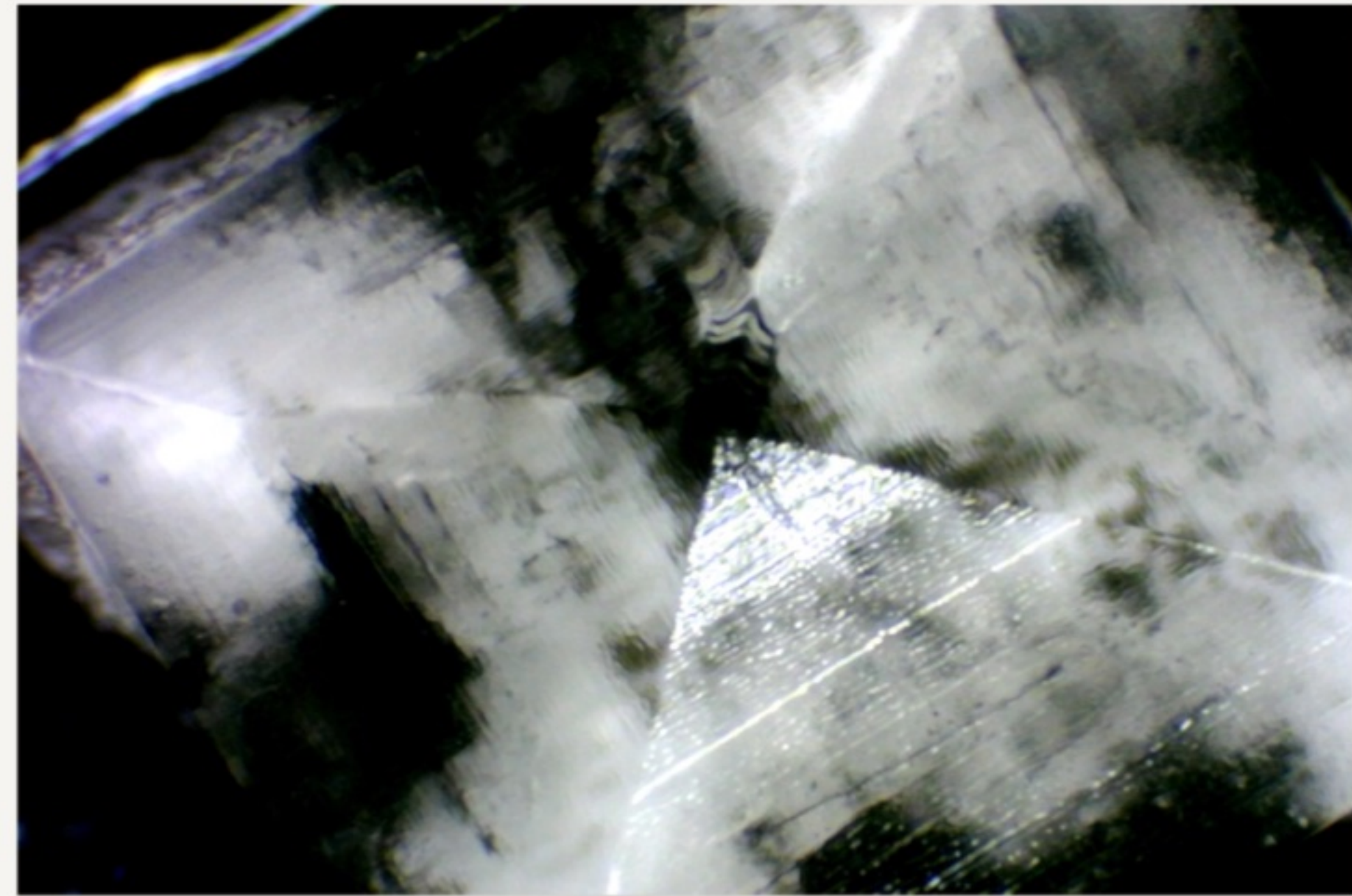
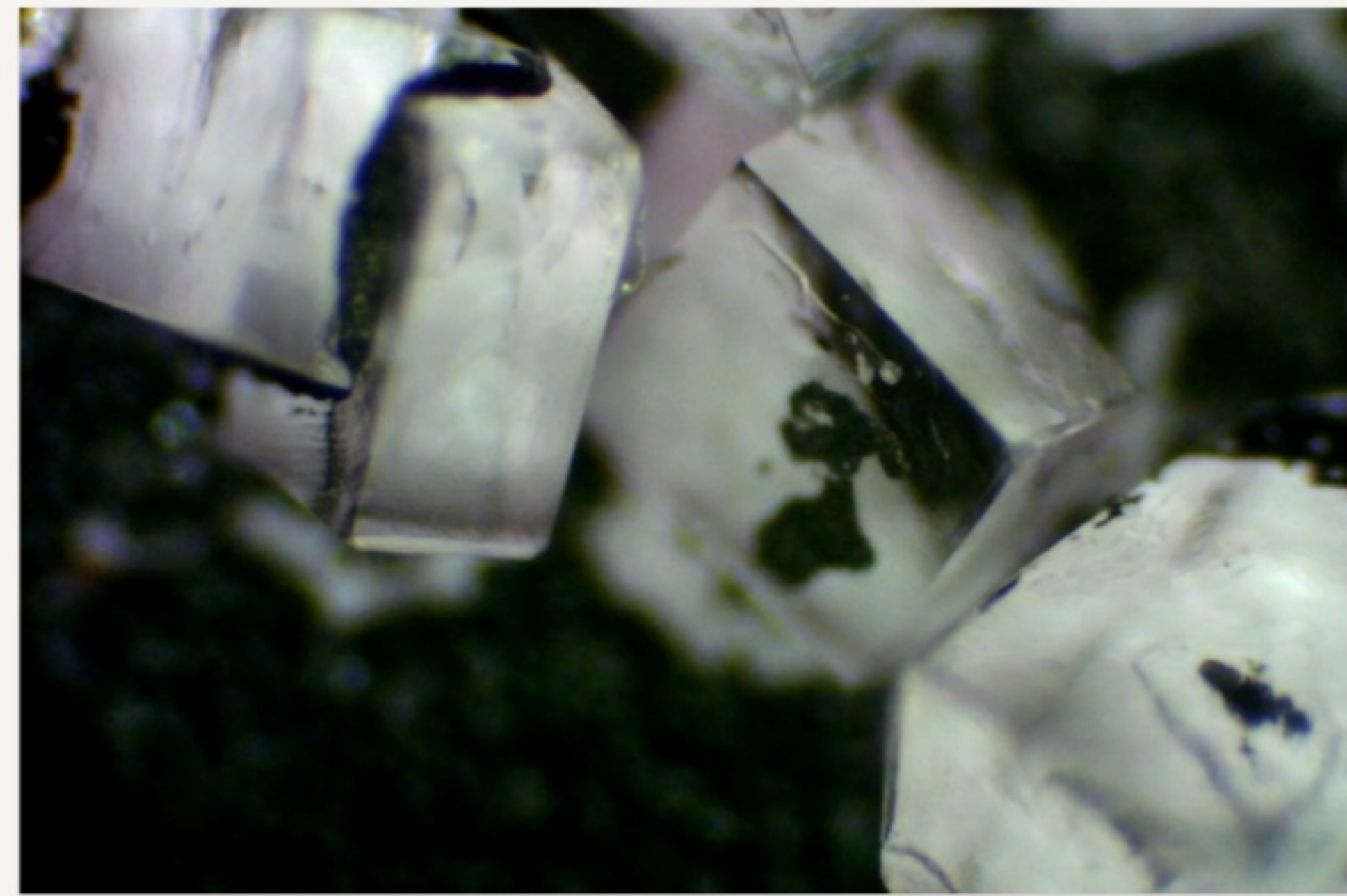
↳ HOW TO STUDY LIFE AESTHETICALLY?



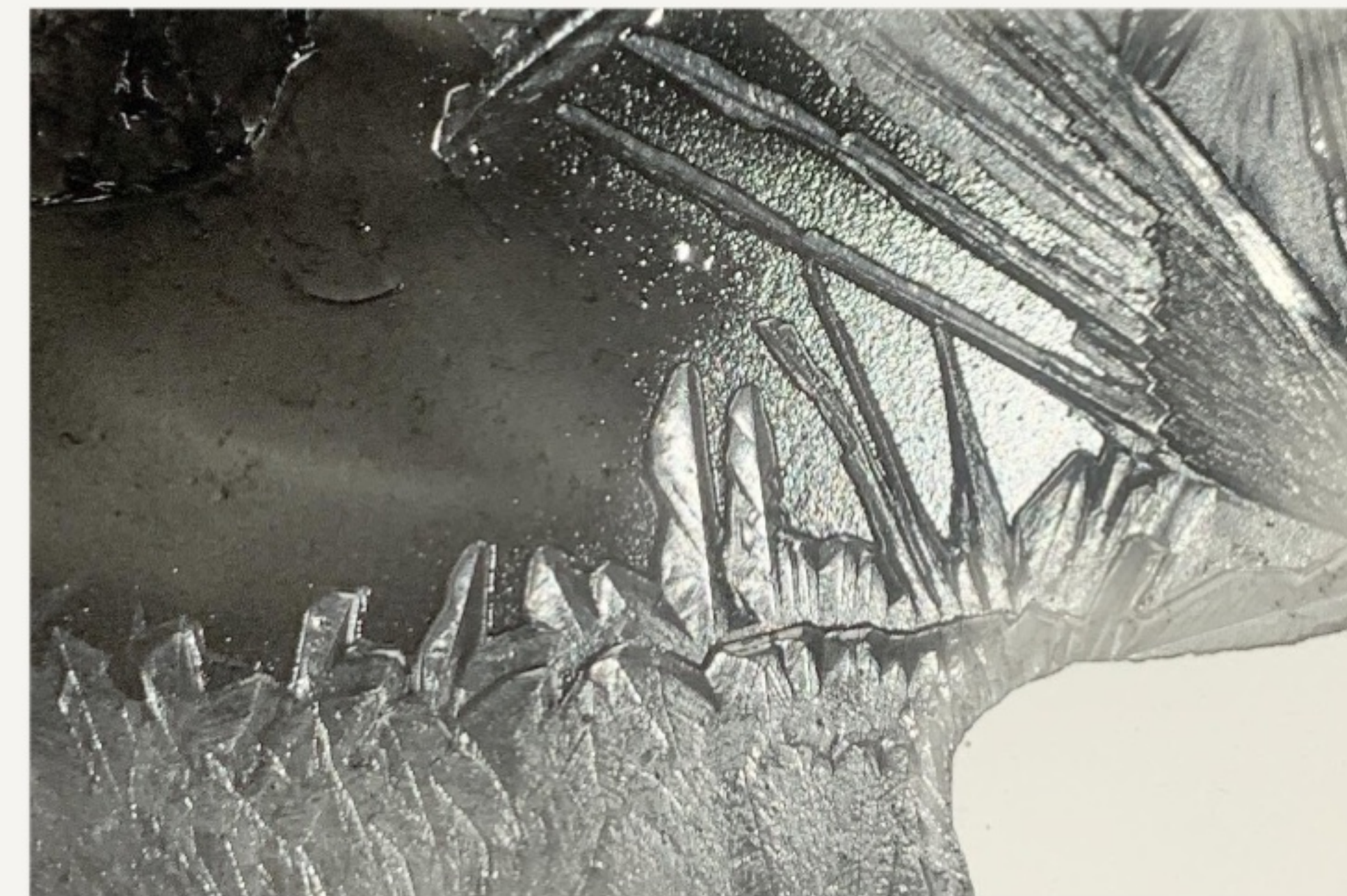


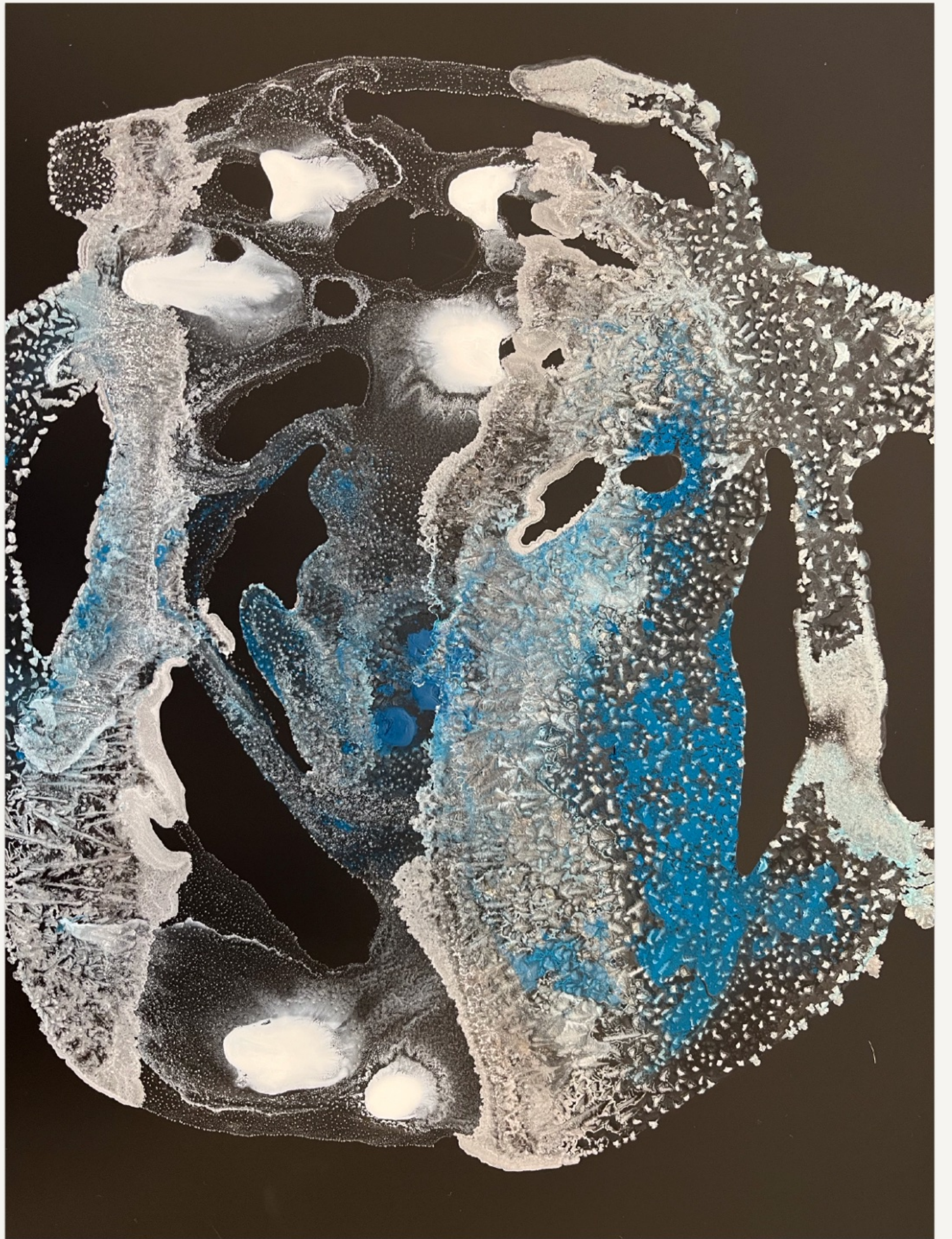
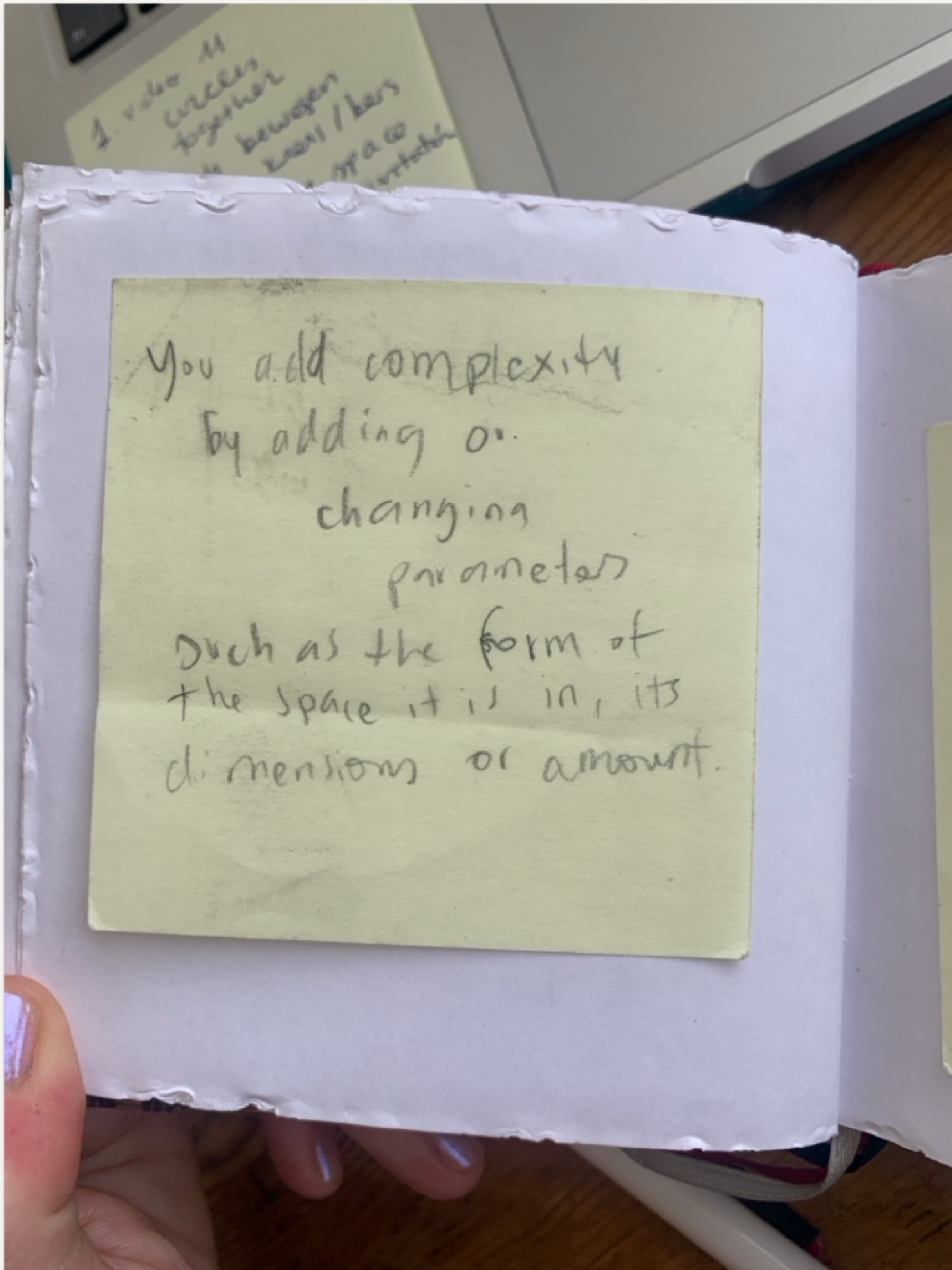
cerranía de La Lindosa, Guaviare
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There is no
body prior to
the discourse
through which it
emerges. J Butler





Big Bang fusion

cosmic ray fission

merging neutron stars

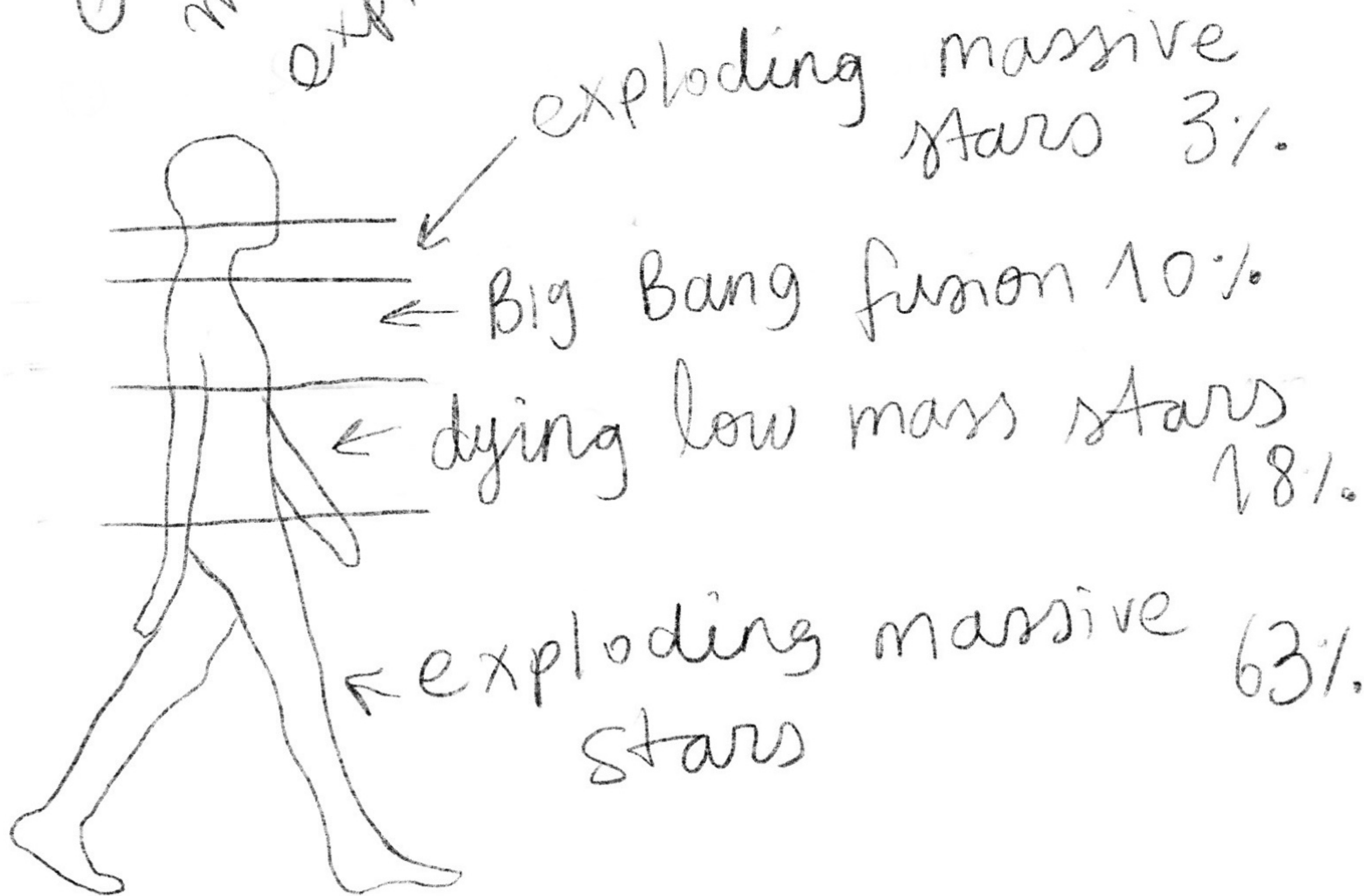
dying low mass stars

exploding white dwarfs

exploding massive stars

1 H																2 He																		
3 Li	4 Be															5 B	6 C	7 N	8 O	9 F	10 Ne													
11 Na	12 Mg															13 Al	14 Si	15 P	16 S	17 Cl	18 Ar													
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr																	
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe																	
55 Cs	56 Ba			72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn																
87 Fr	88 Ra																																	
																		57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu		
																		89 Ac	90 Th	91 Pa	92 U													

exploding white dwarfs
merging neutron stars
exploding massive stars



This was what Darwin was trying so hard to get his readers to see: that there is never just one way of ranking nature's organisms.

To get stuck on a single hierarchy is to miss the bigger picture, the messy truth of nature, the "whole machinery of life." The work of good science is to try to peer beyond the "convenient" lines we draw over nature. To peer beyond intuition, where something wilder lives.

To know that in every organism at which you gaze, there is complexity you will never comprehend. 162

Lulu Miller - WHY FISH
DON'T EXIST

TO THINK SENSORIALLY

"5" Senses ☺

SIGHT
SMELL
TASTE
TOUCH
HEARING

OTHER LESS
popular senses:

- spacial awareness?
- balance?



.5 CONCEPTS
FROM MY OWN
RESEARCH



AESTHETIC
ELEMENTS:

- RHYTHMS
- Repetitions
- movements
- form
- materiality