

humanity 2.0

Matthew Taylor

@rhyolight

"We can't solve problems by
using the same kind of thinking
we used when we created them."

Albert Einstein

SPACE

&

TIME

SPACE

&

TIME

genes → brains → memes → technology

SPACE









26 yds



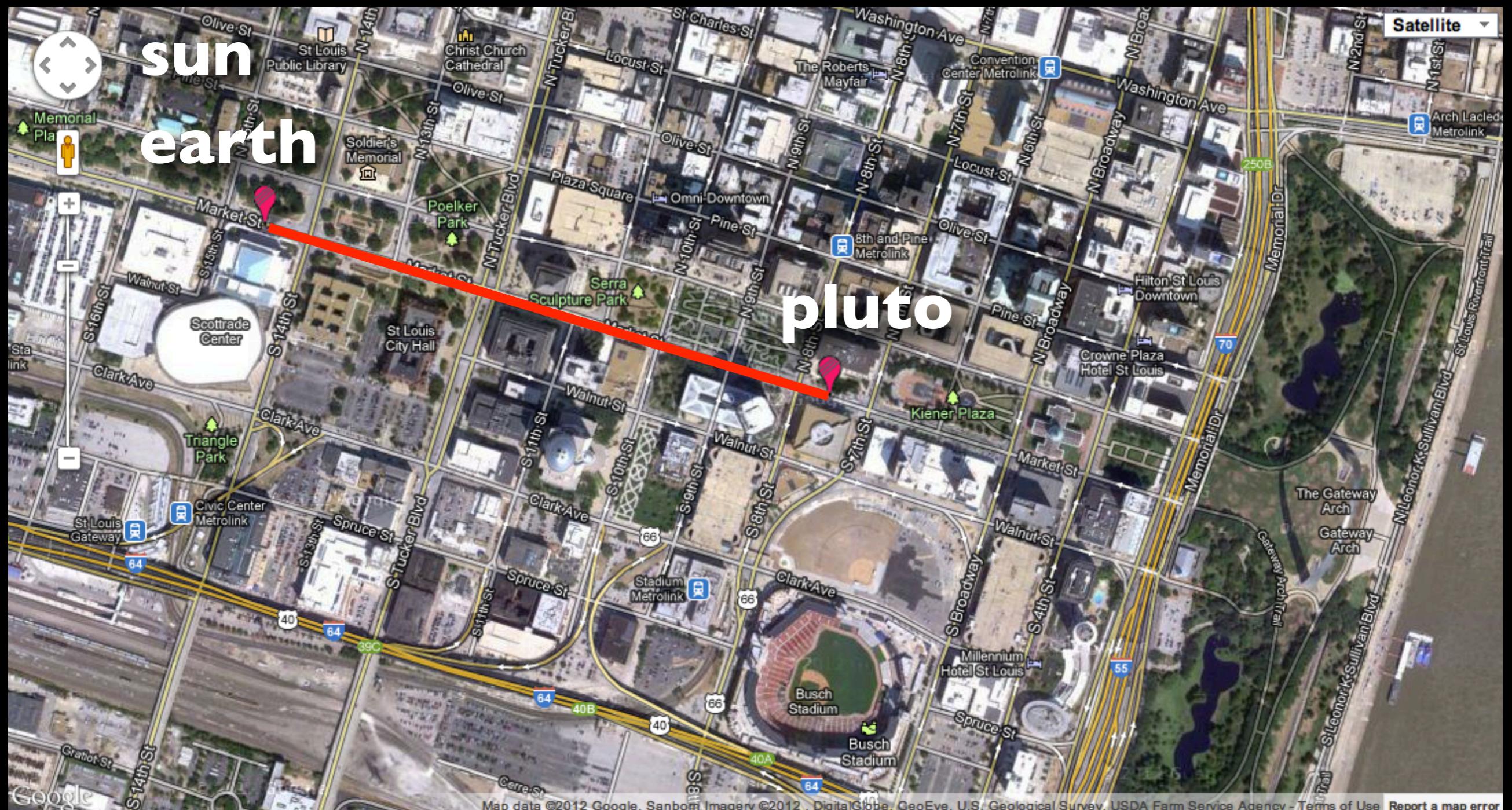




4.37 light hours



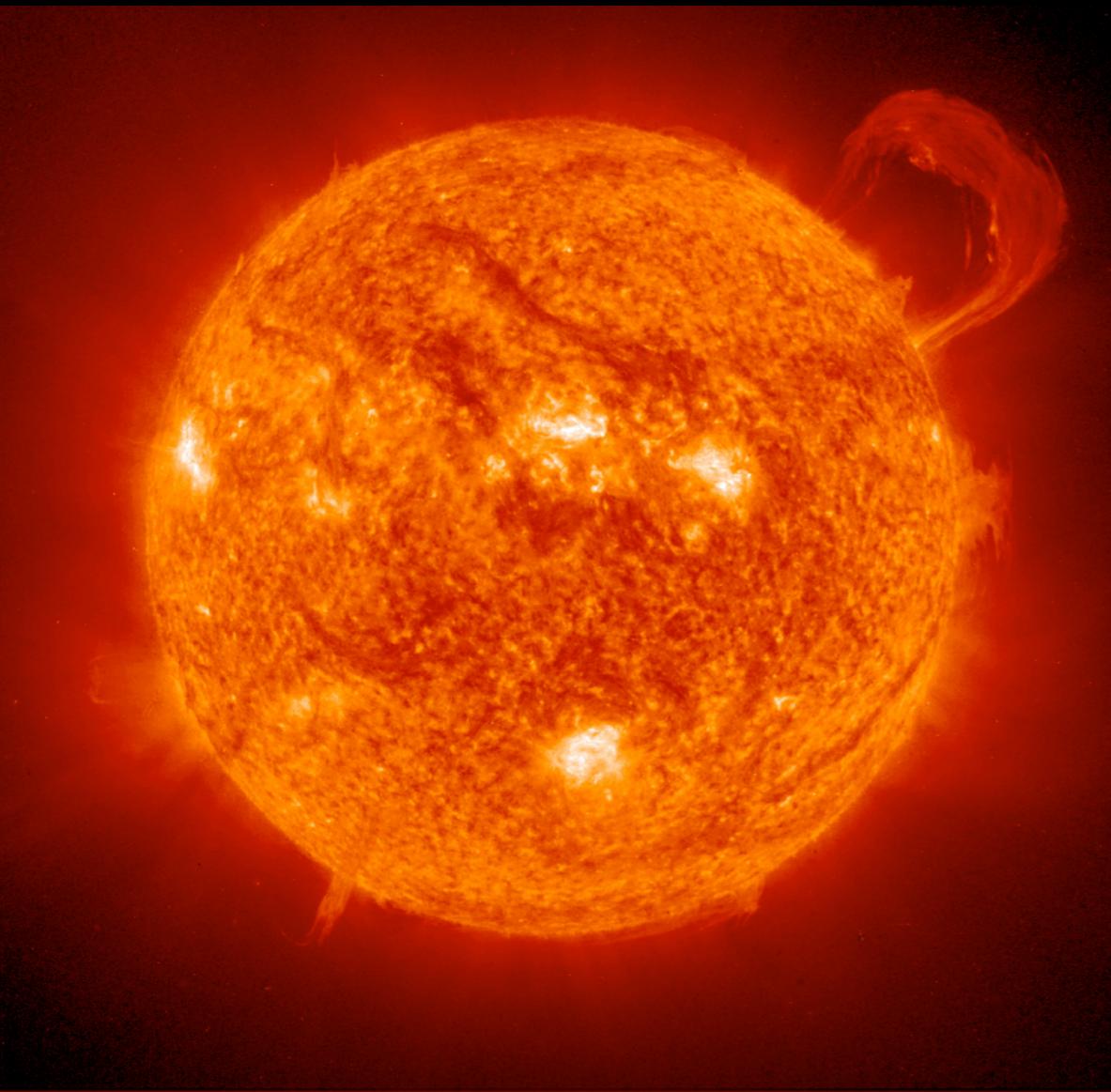
4.37 light hours
0.47 miles





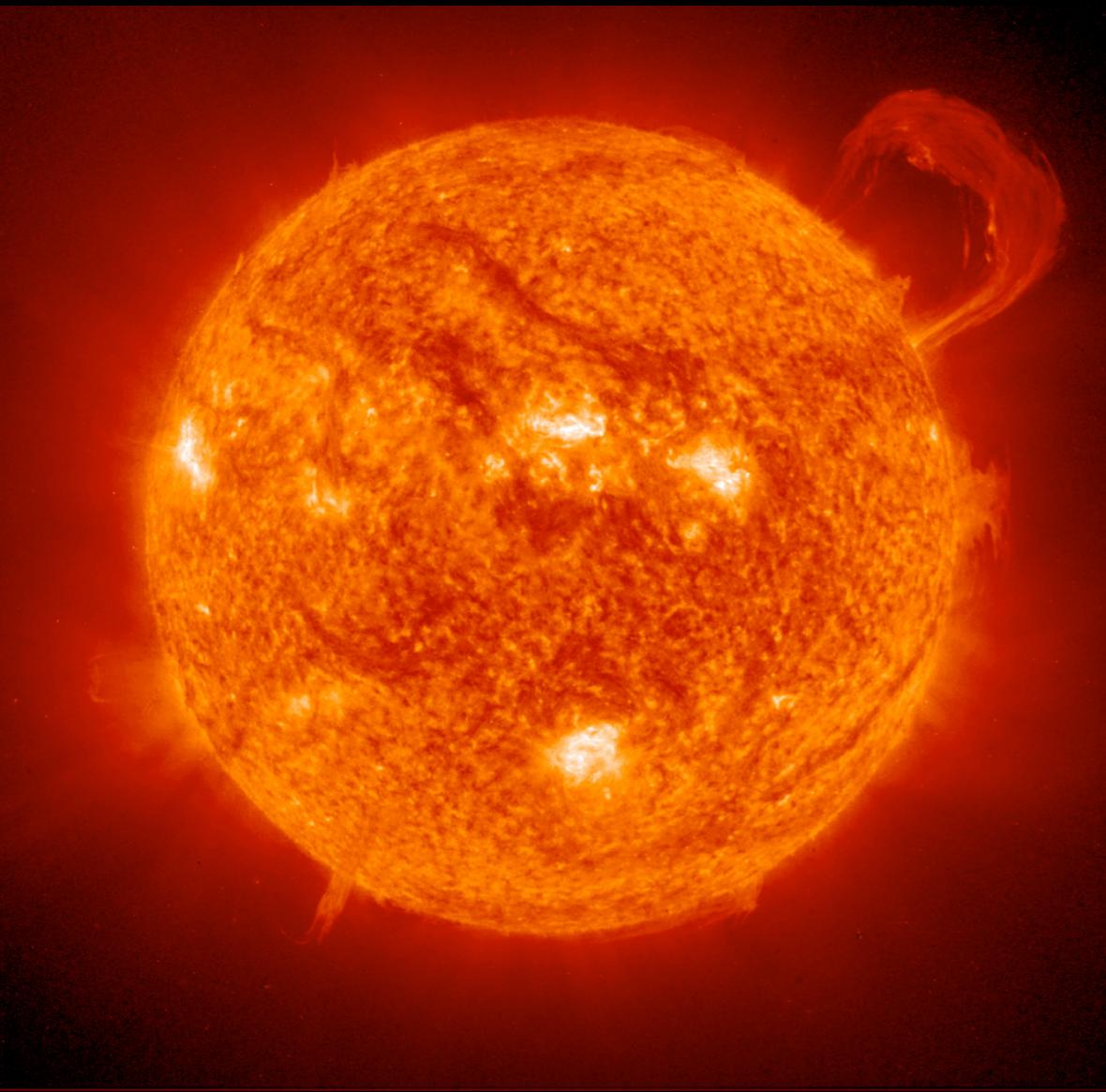
**alpha
centauri**





4.39 ly





4.39 ly
4,100 miles

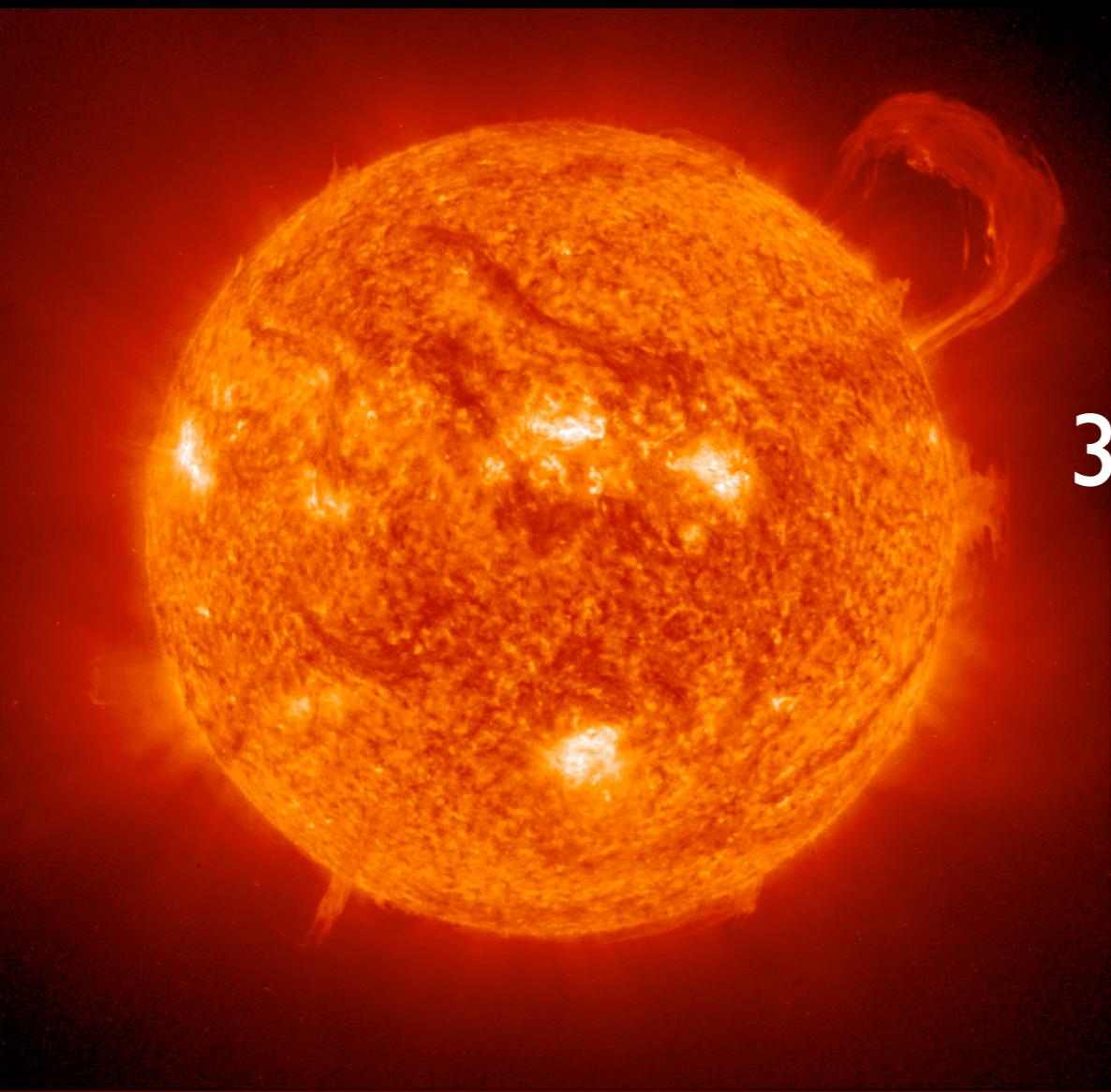








beta
centauri



397 light years





397 light years
371,260 miles





sun
earth
pluto
alpha
centauri



beta
centauri





24,824 light years







24,824 light years





24,824 light years

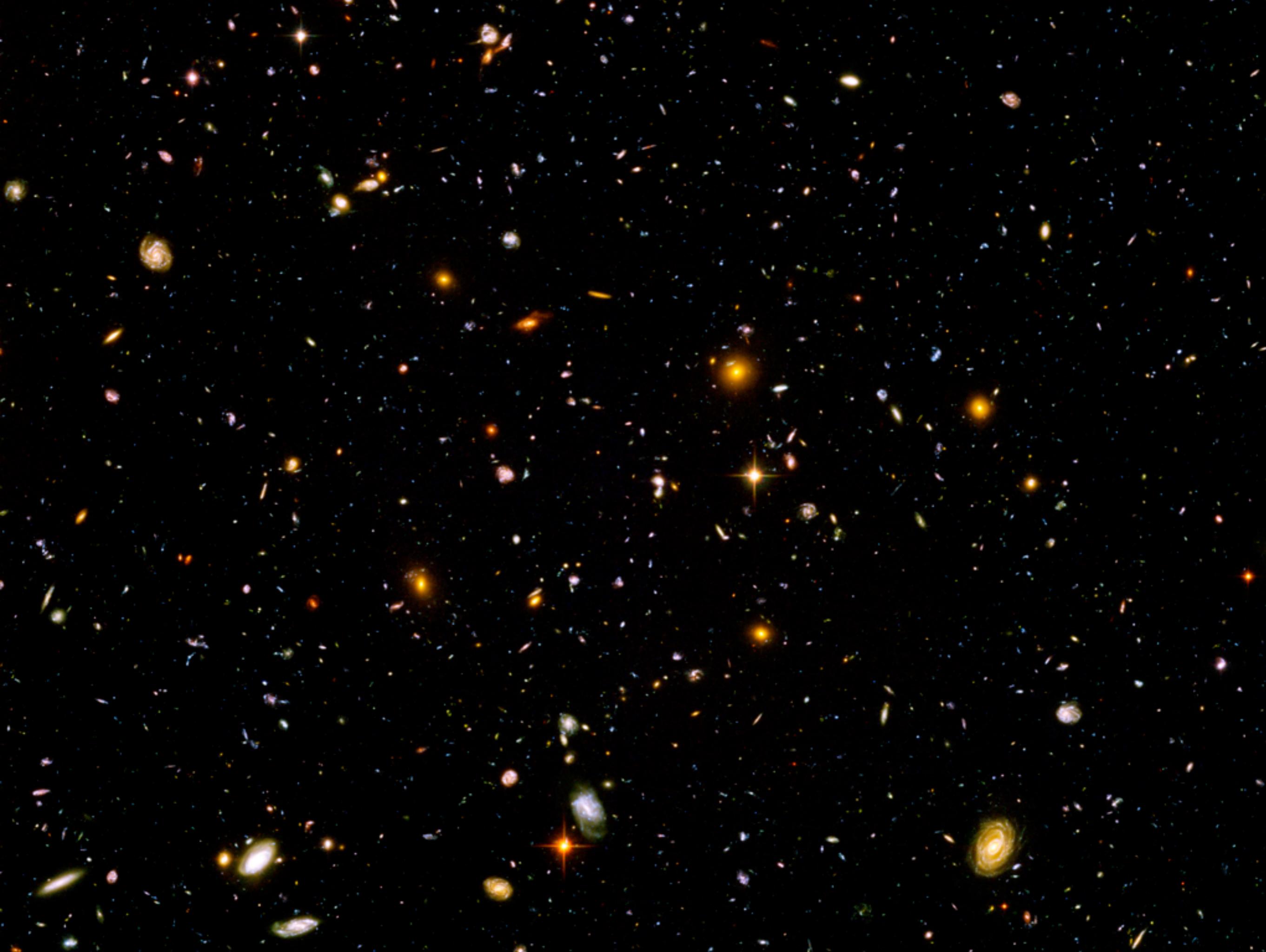


145,927,879,516,789,000
miles



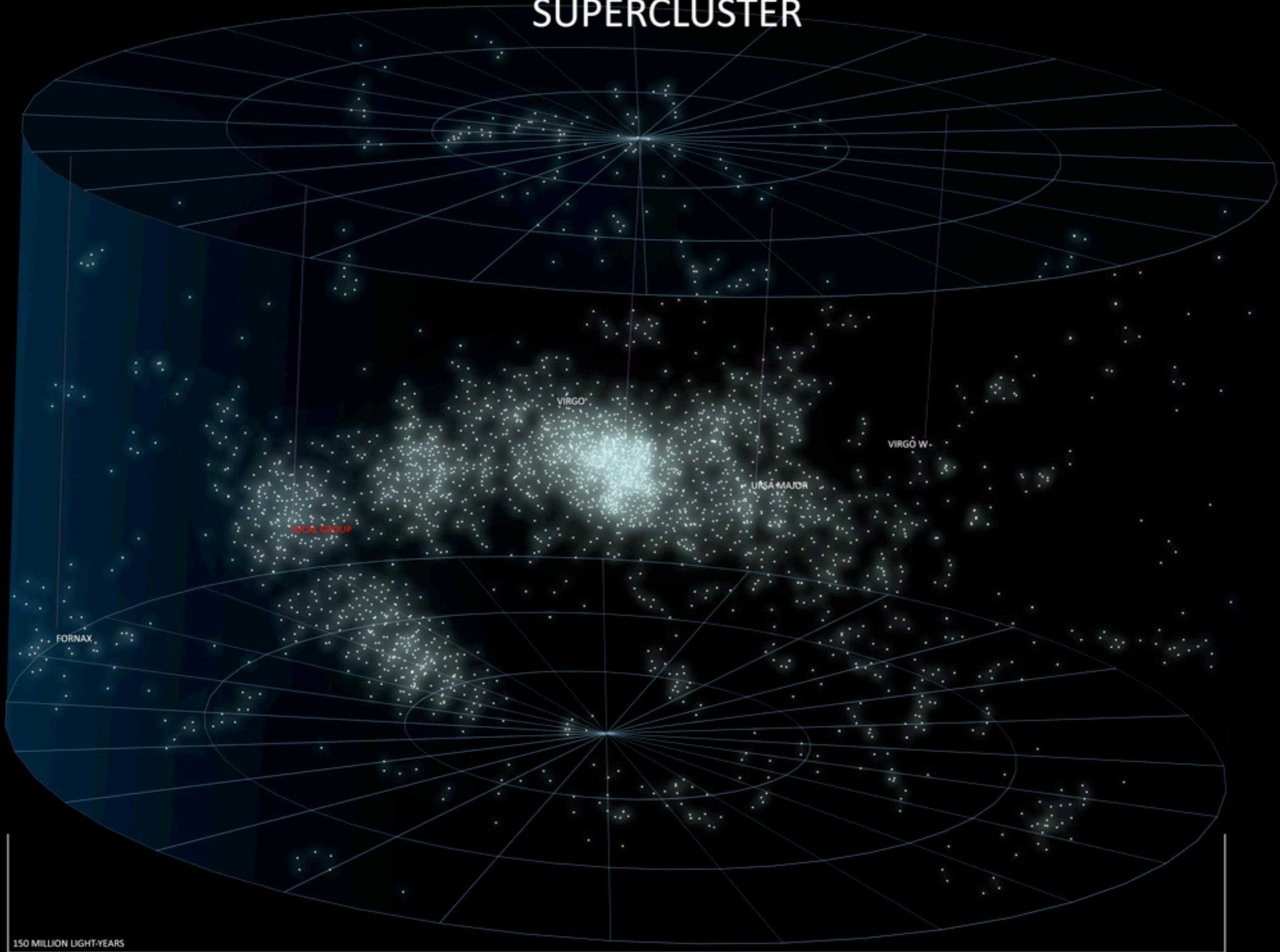


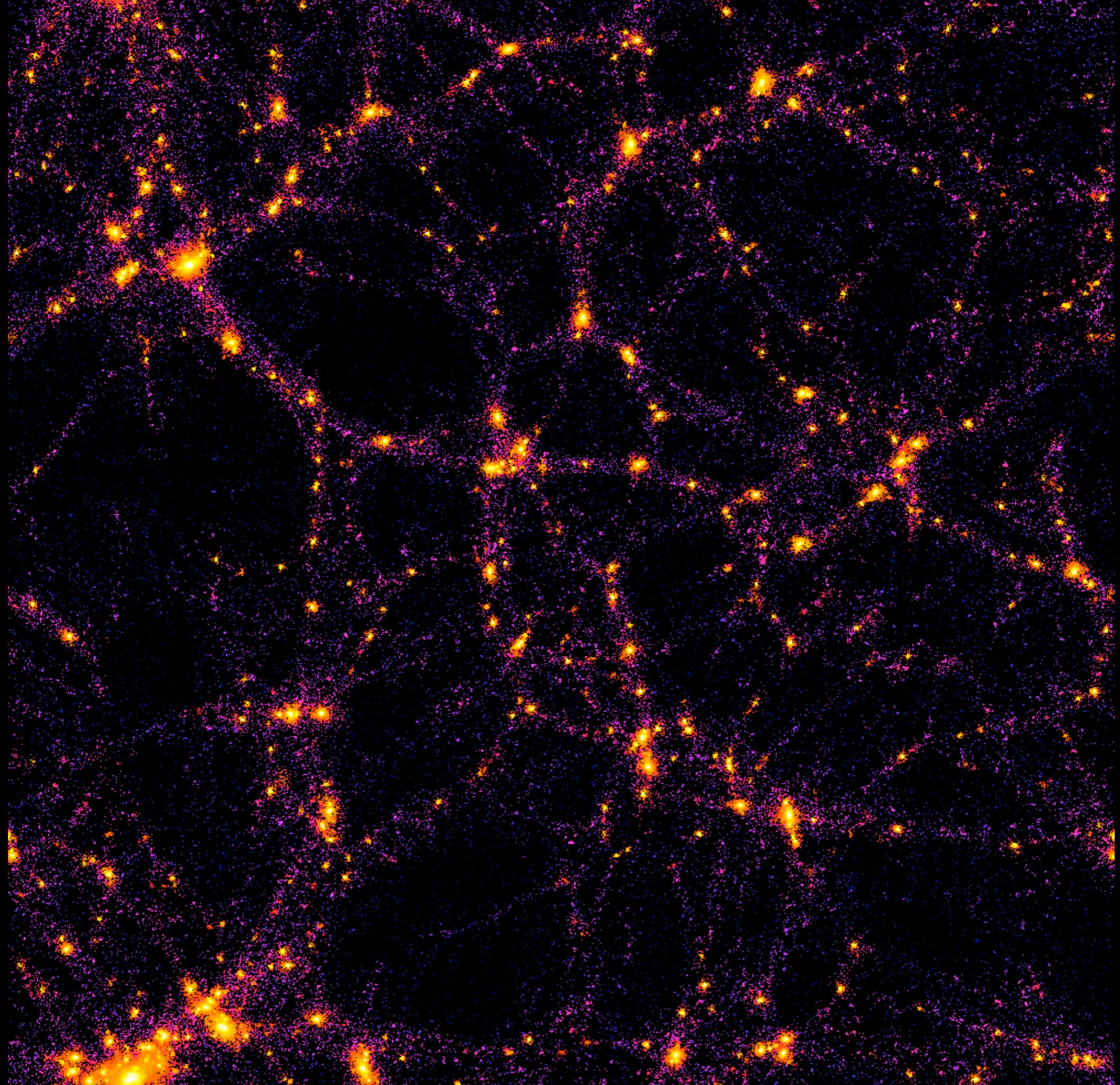


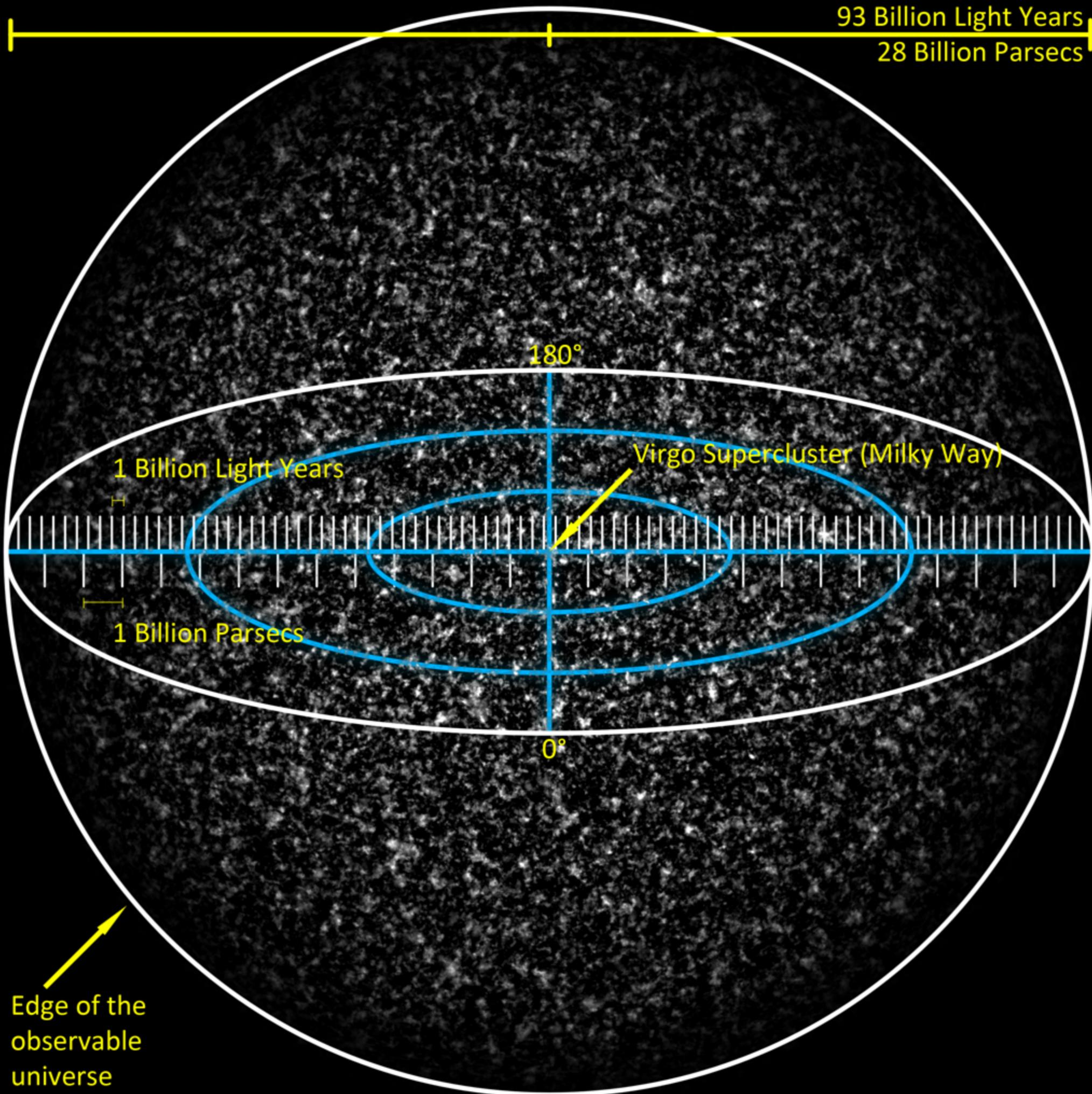




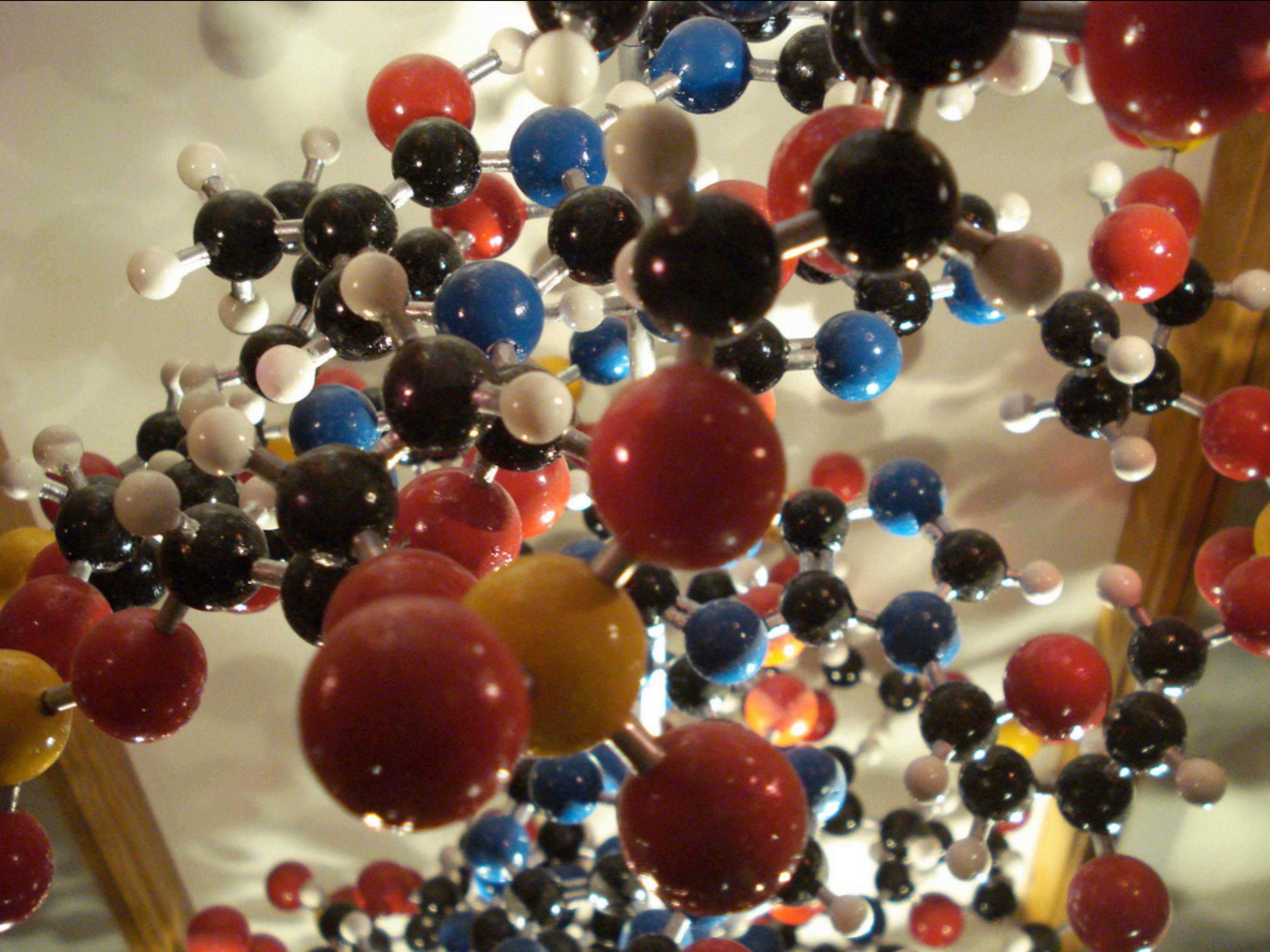
SUPERCLUSTER

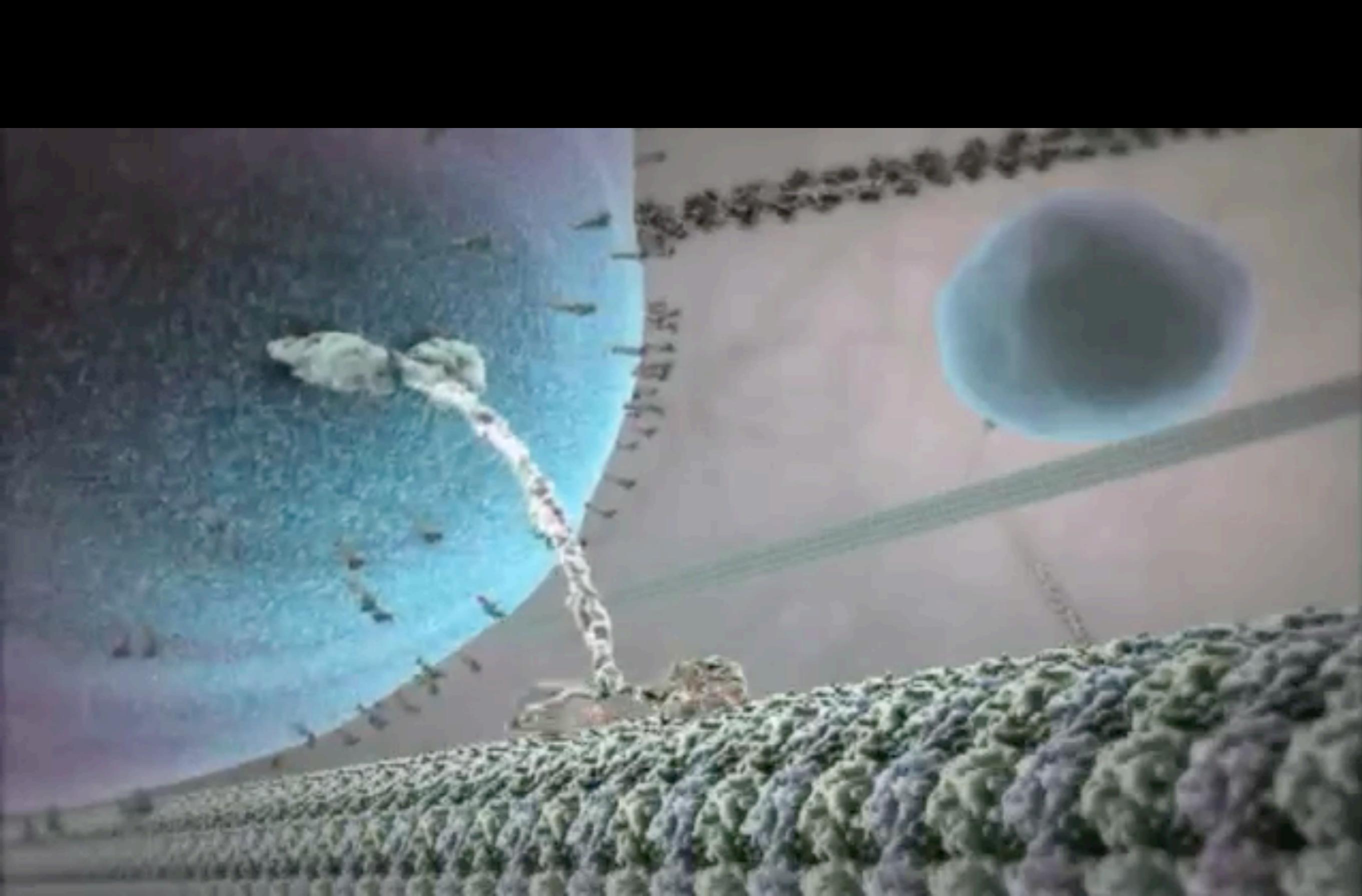












TIME

History of Life on Earth



History of Life on Earth

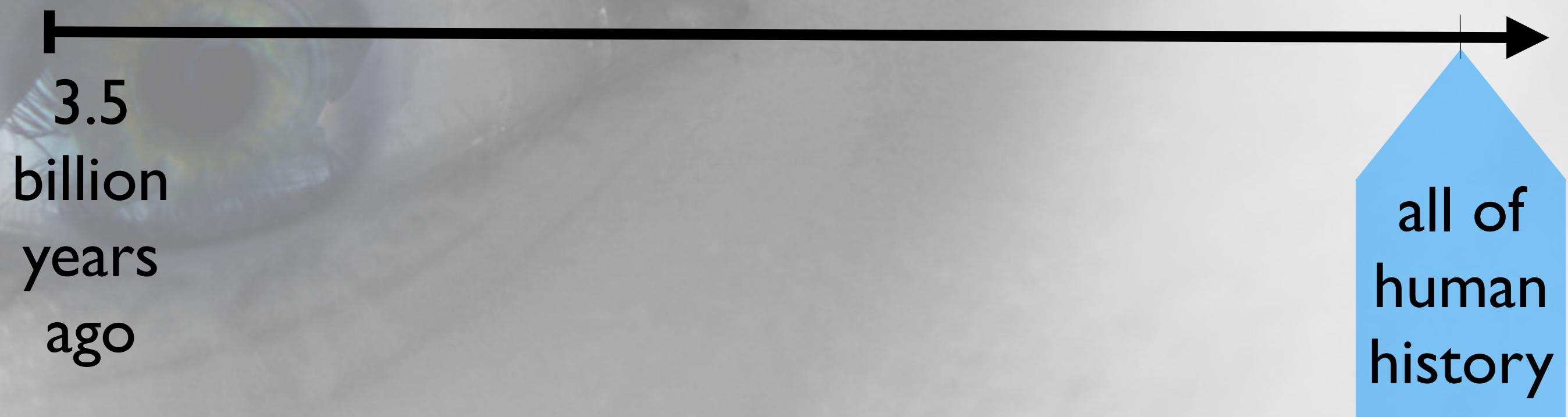


3.5
billion
years
ago

History of Life on Earth



History of Life on Earth



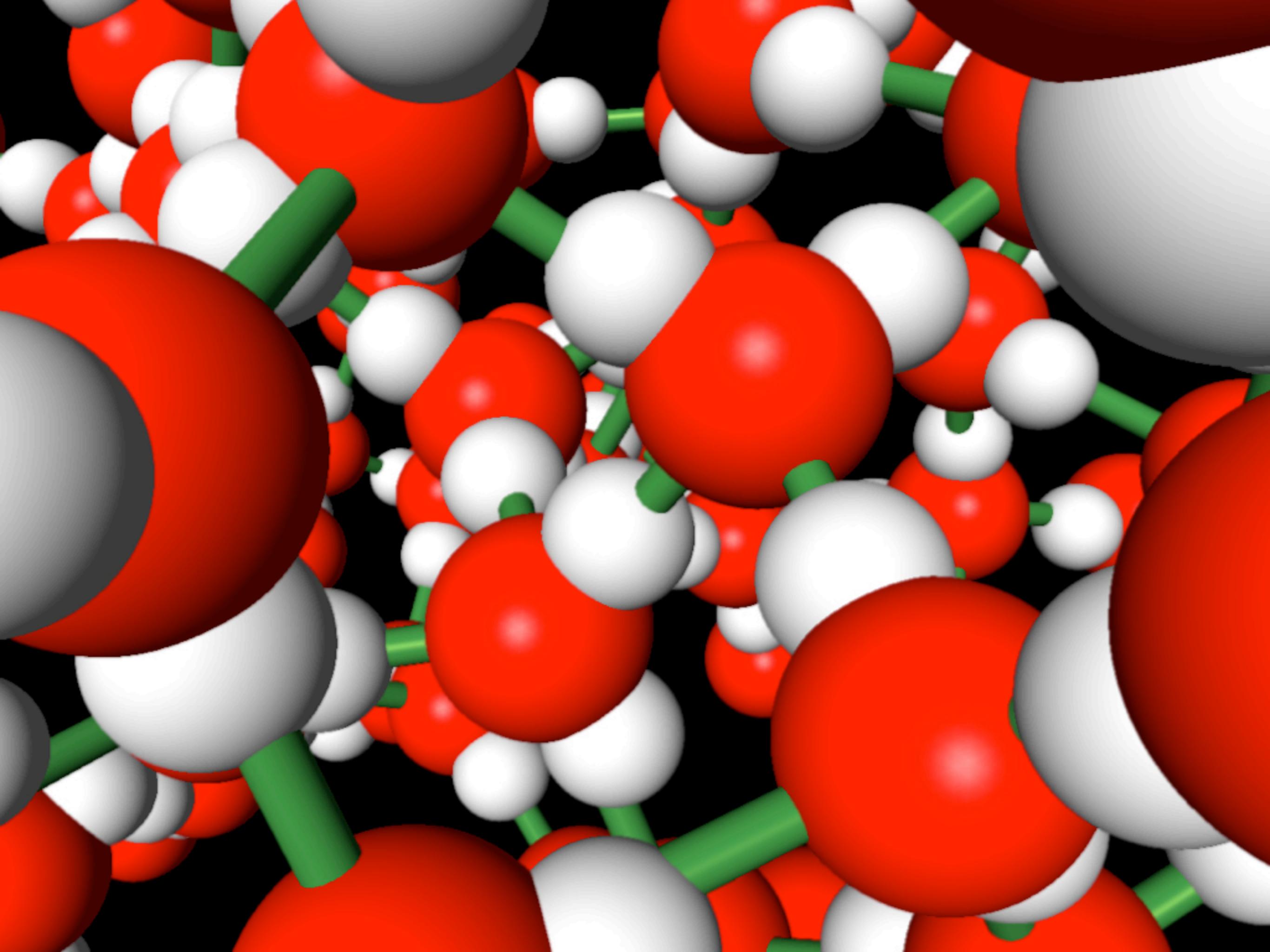
EARTH

3.5 BILLION
YEARS AGO

The background image is a high-angle aerial photograph of a rugged, dark-colored terrain. The surface is characterized by deep, winding gullies and ridges, suggesting significant erosion over a long period. The lighting creates strong shadows in the depressions, emphasizing the three-dimensional nature of the landscape.

EARTH

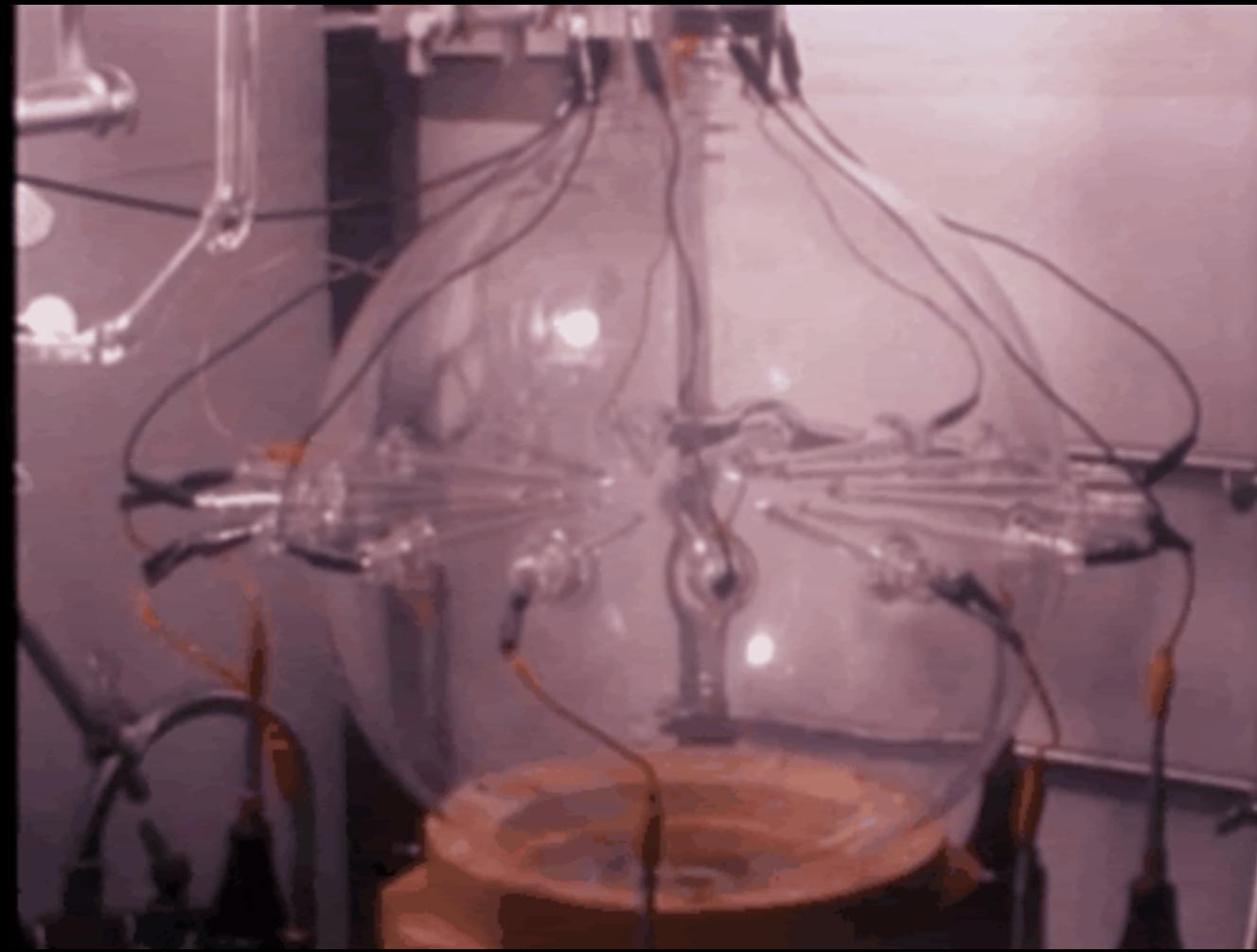
3.5 BILLION
YEARS AGO



hydrogen
carbon dioxide
ammonia
methane

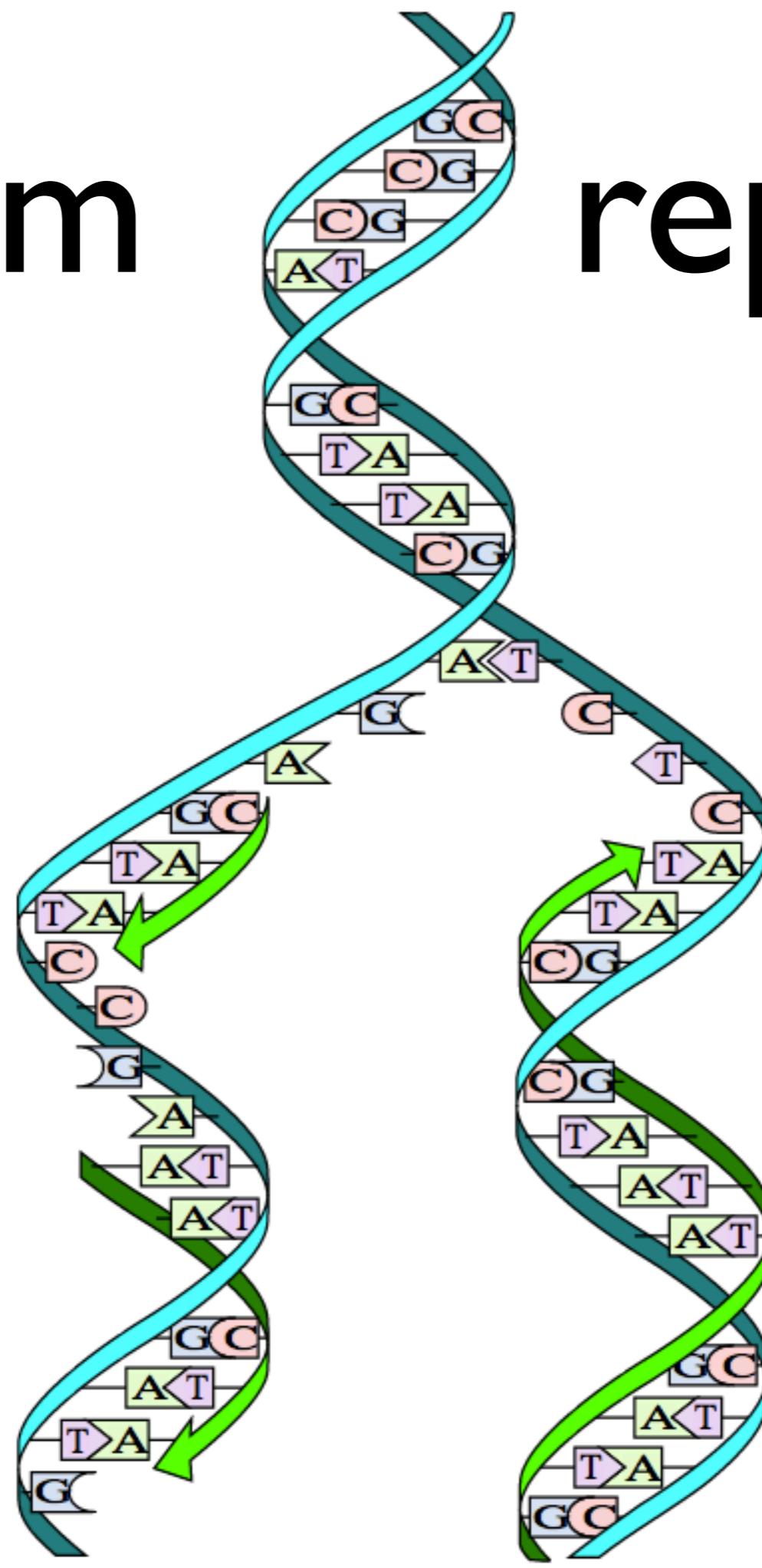
Miller–Urey Experiment

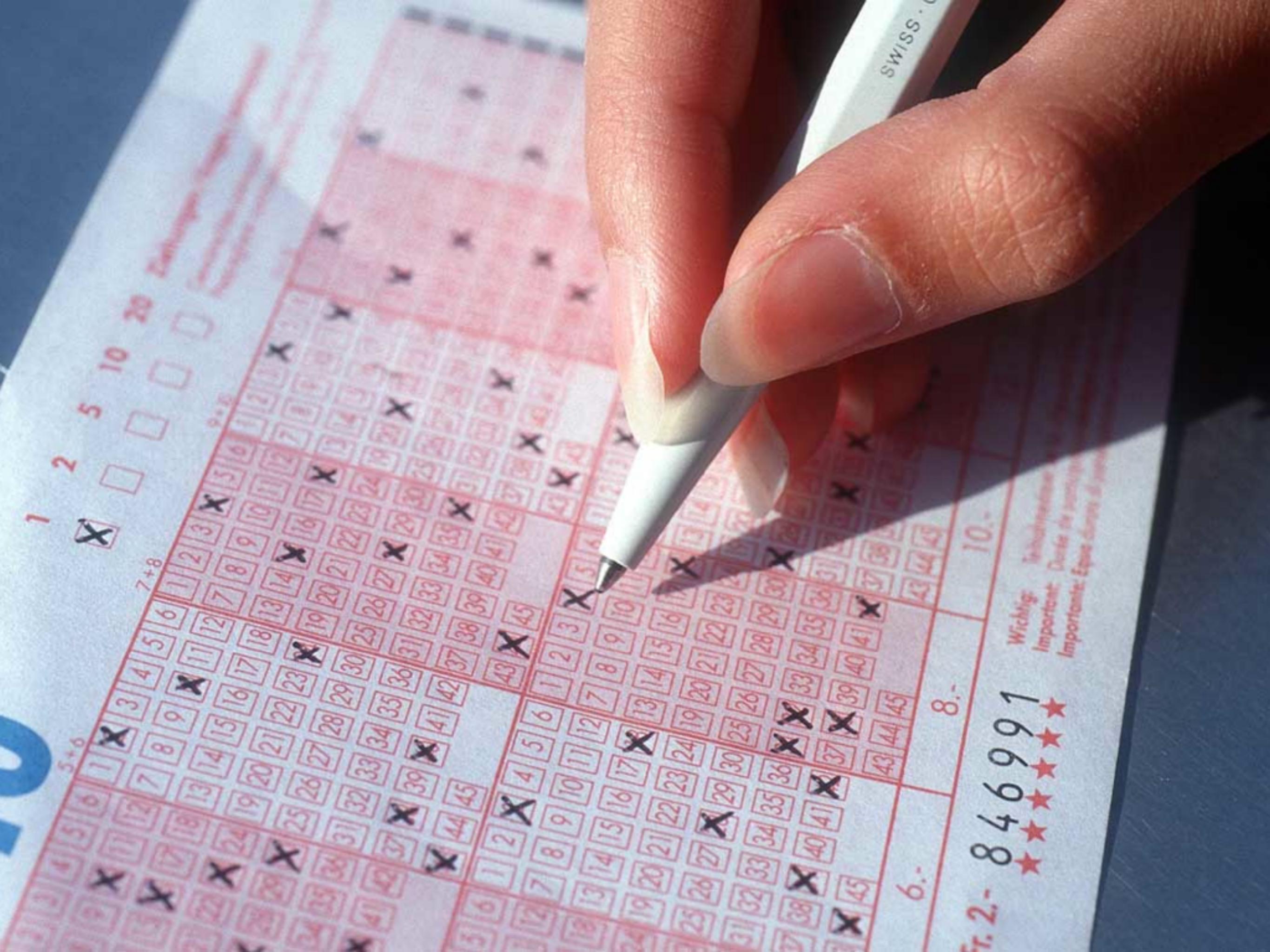
Miller–Urey Experiment



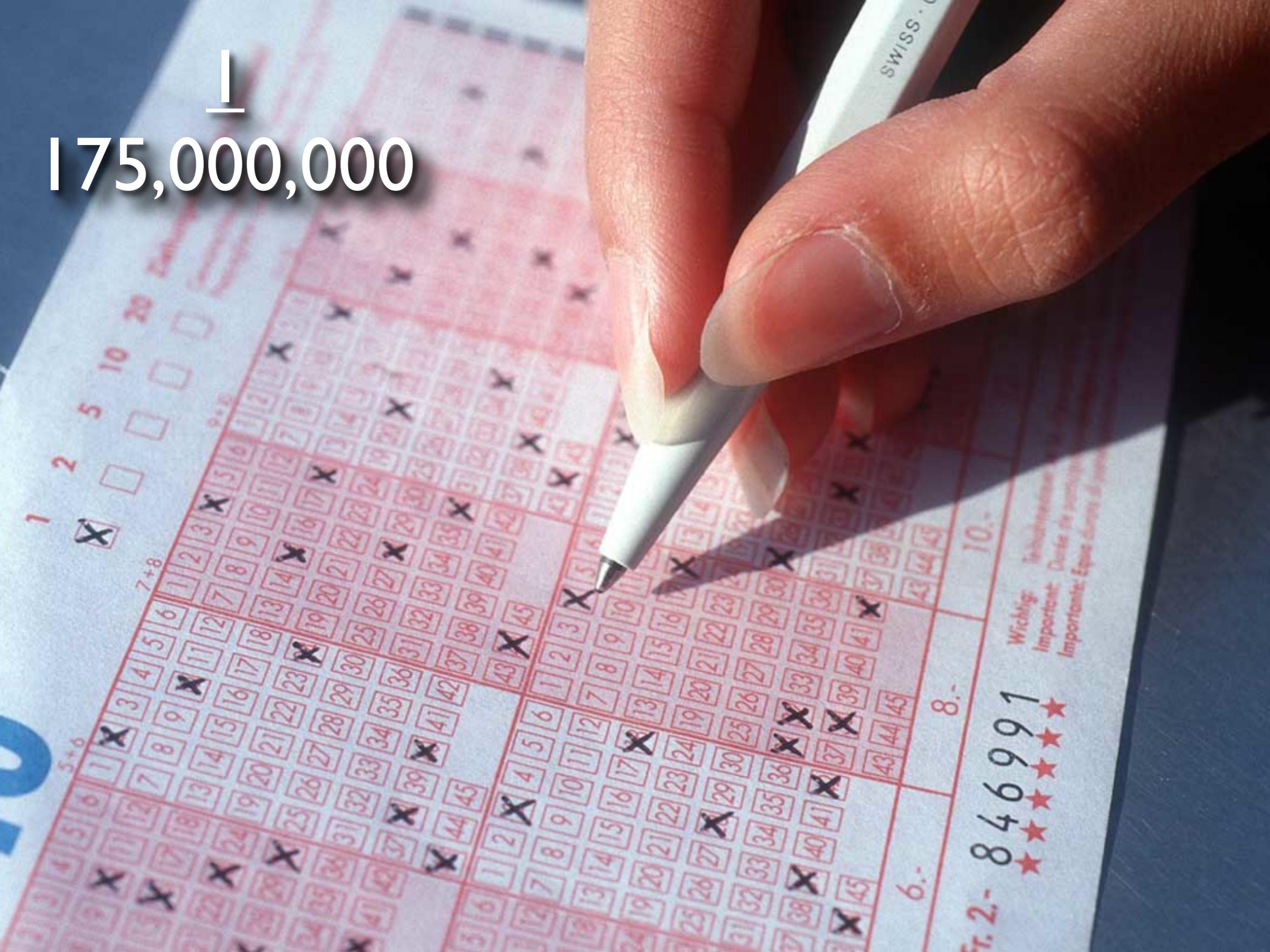
random

replication





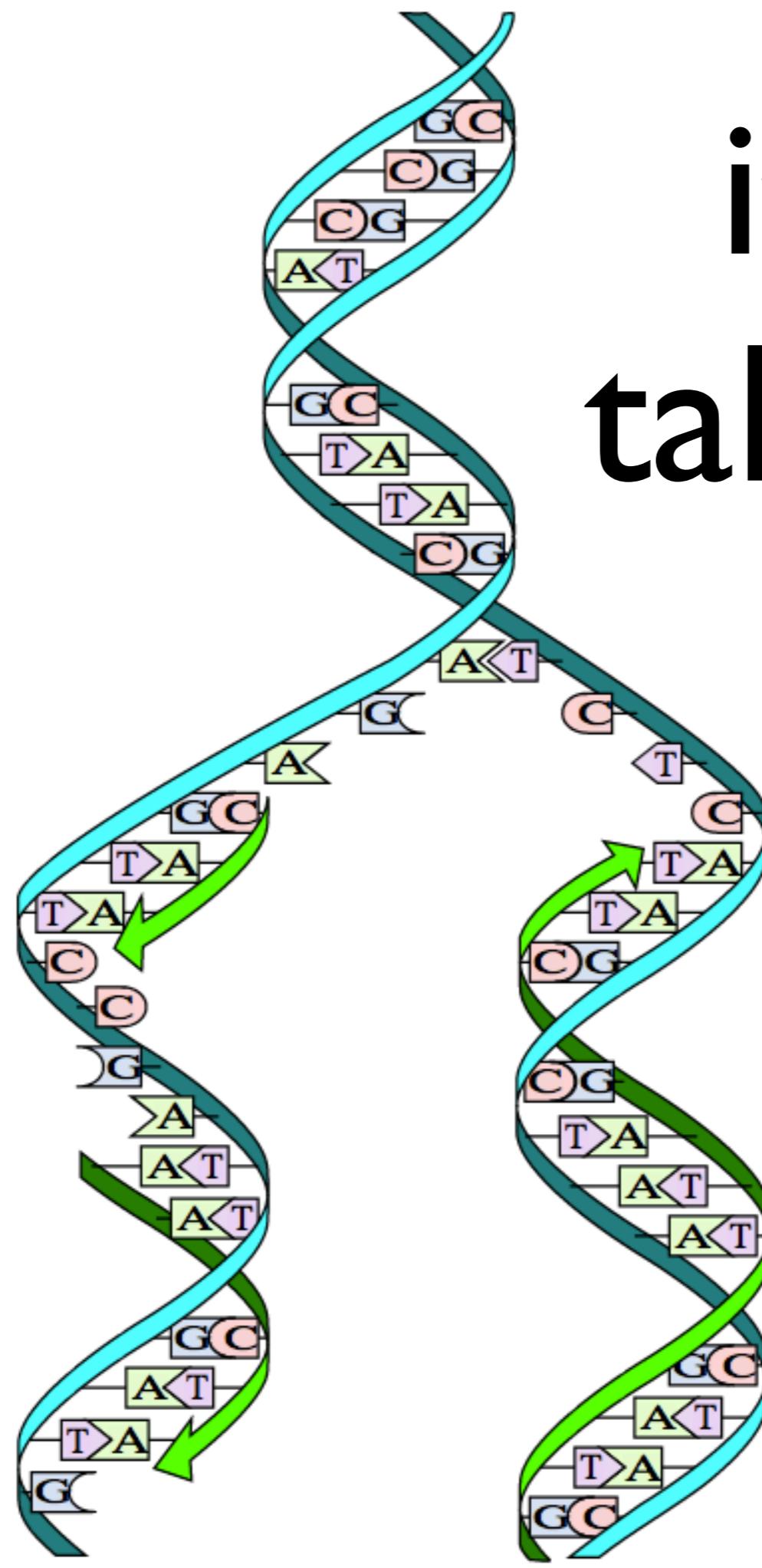
175,000,000

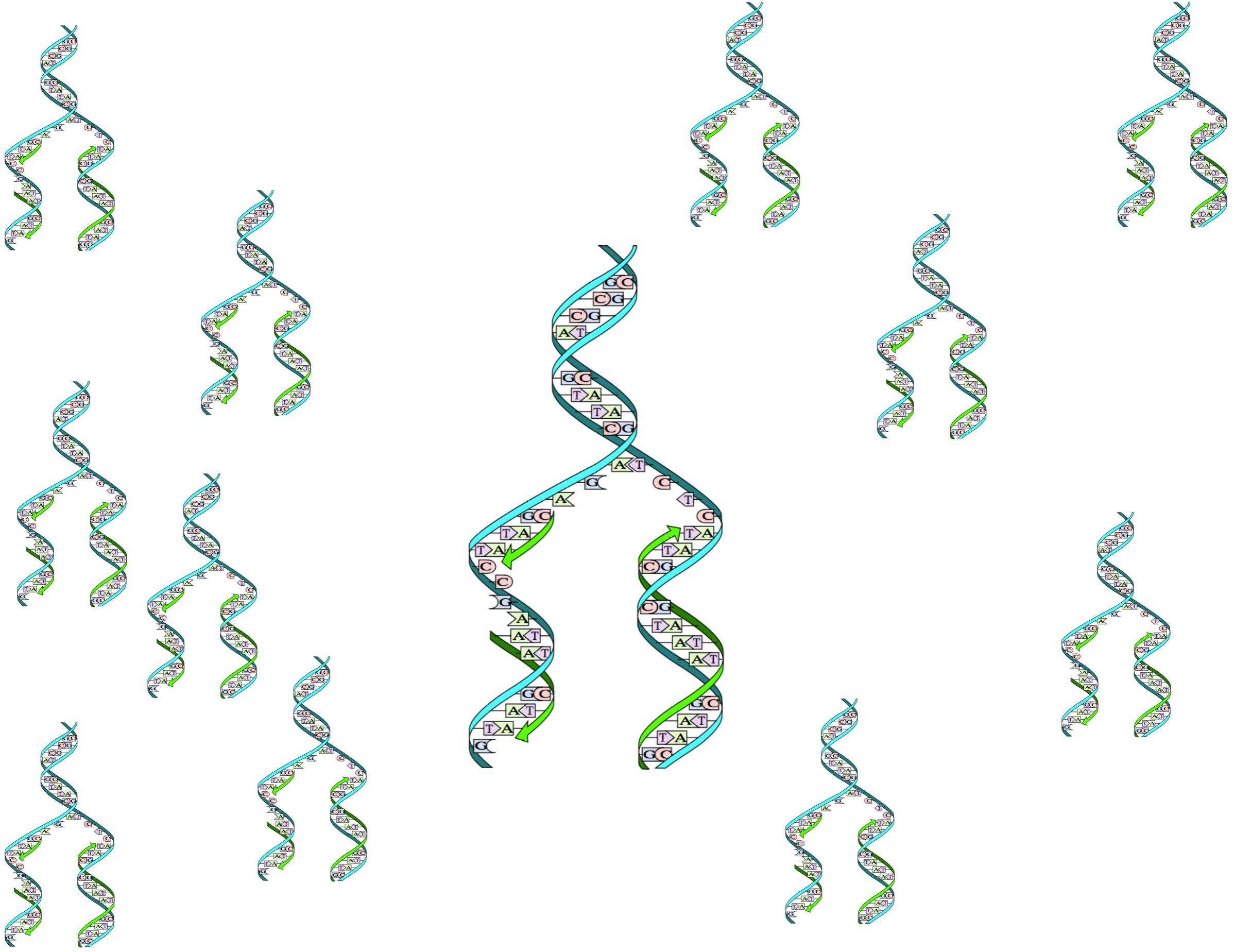


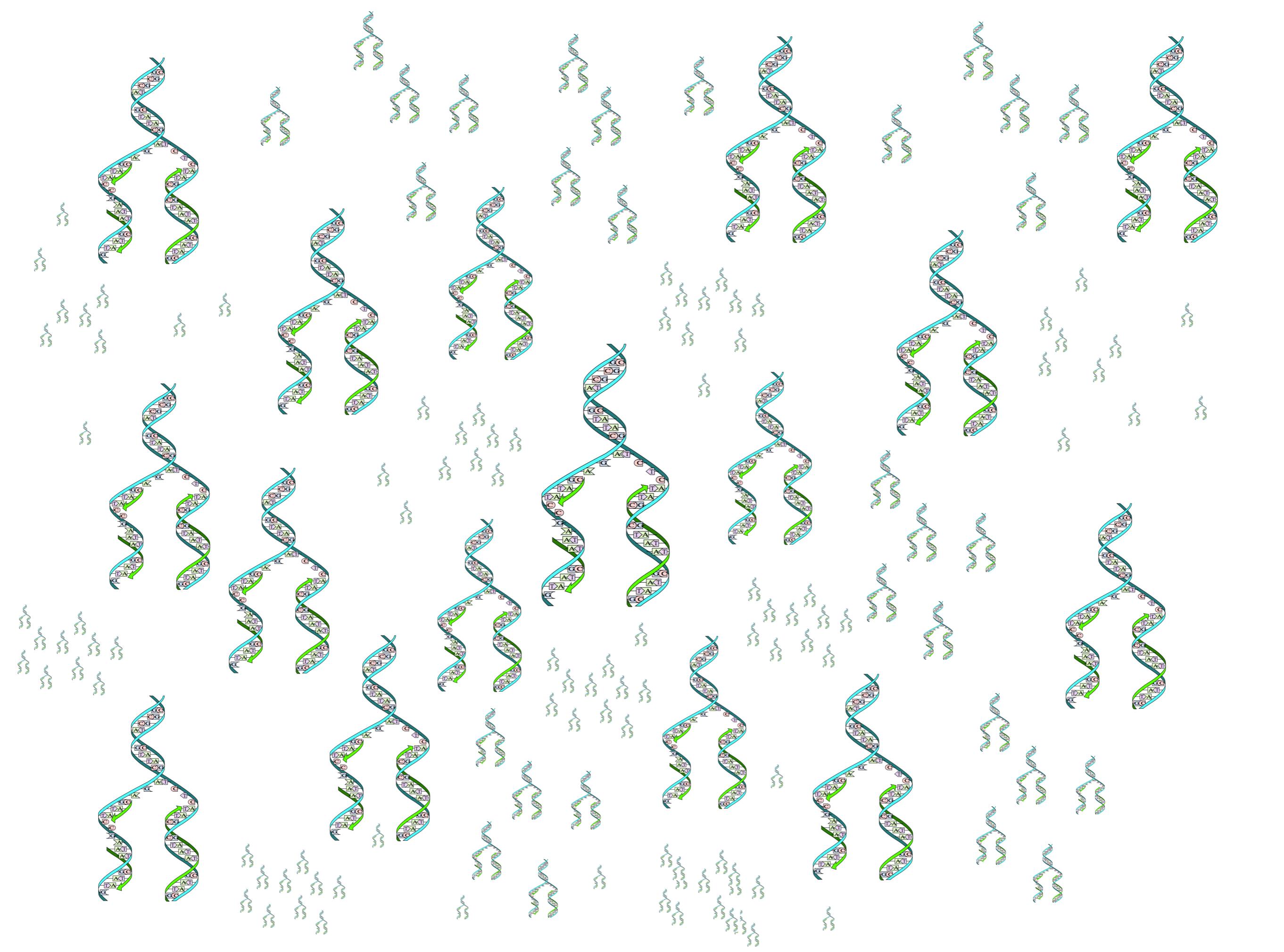
175,000,000

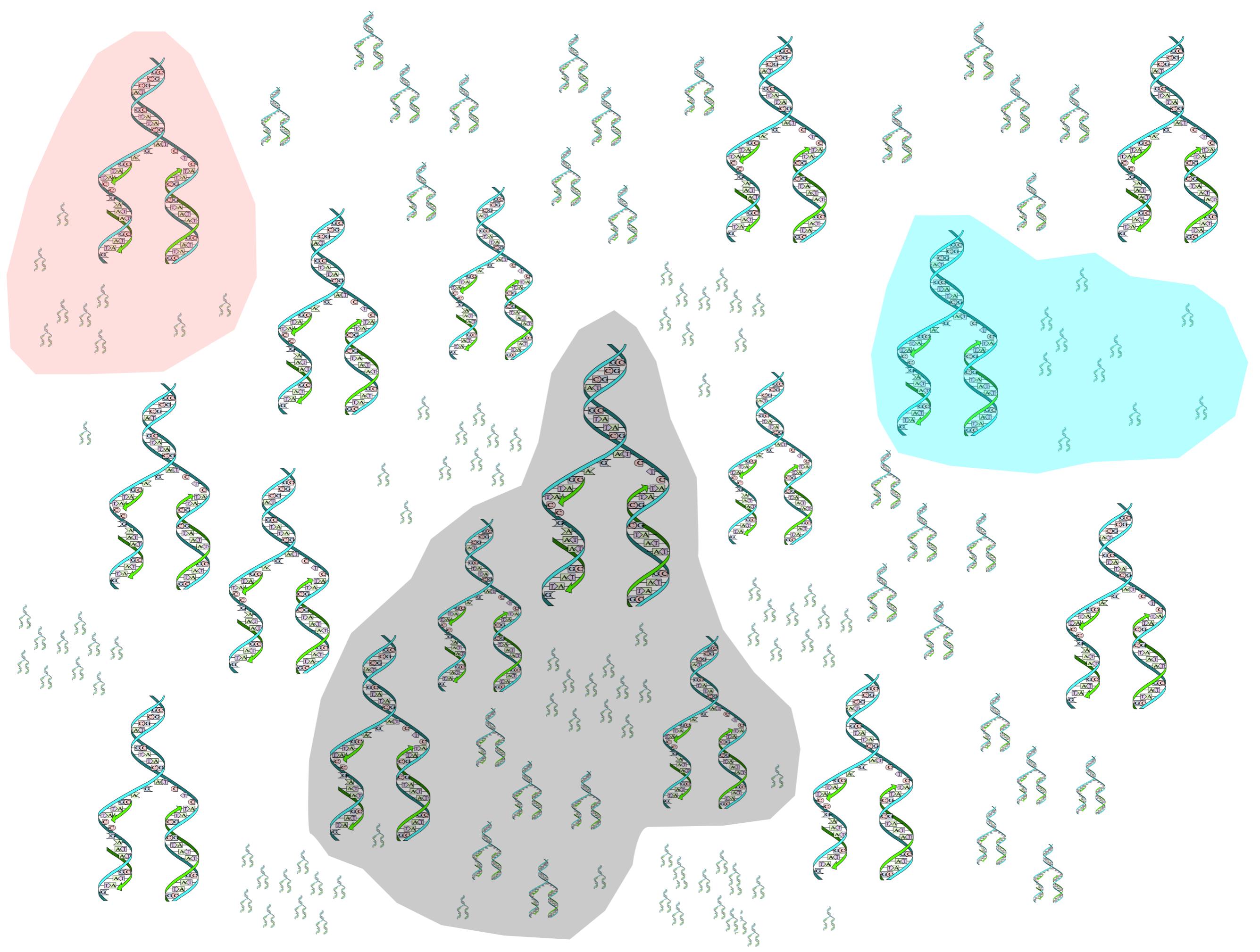
Play every week
for 100 million years?
Win 30 times

it only
takes one







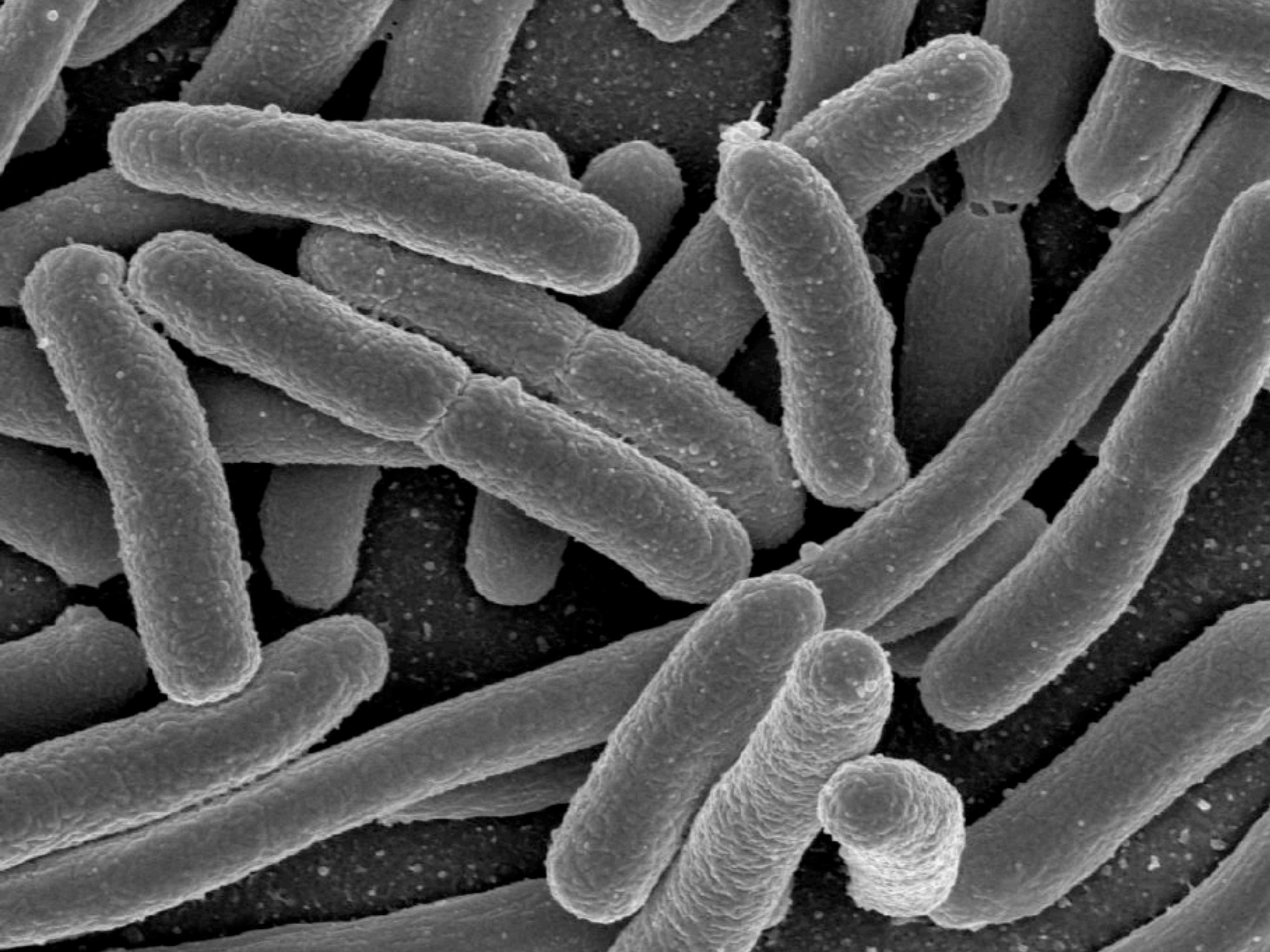


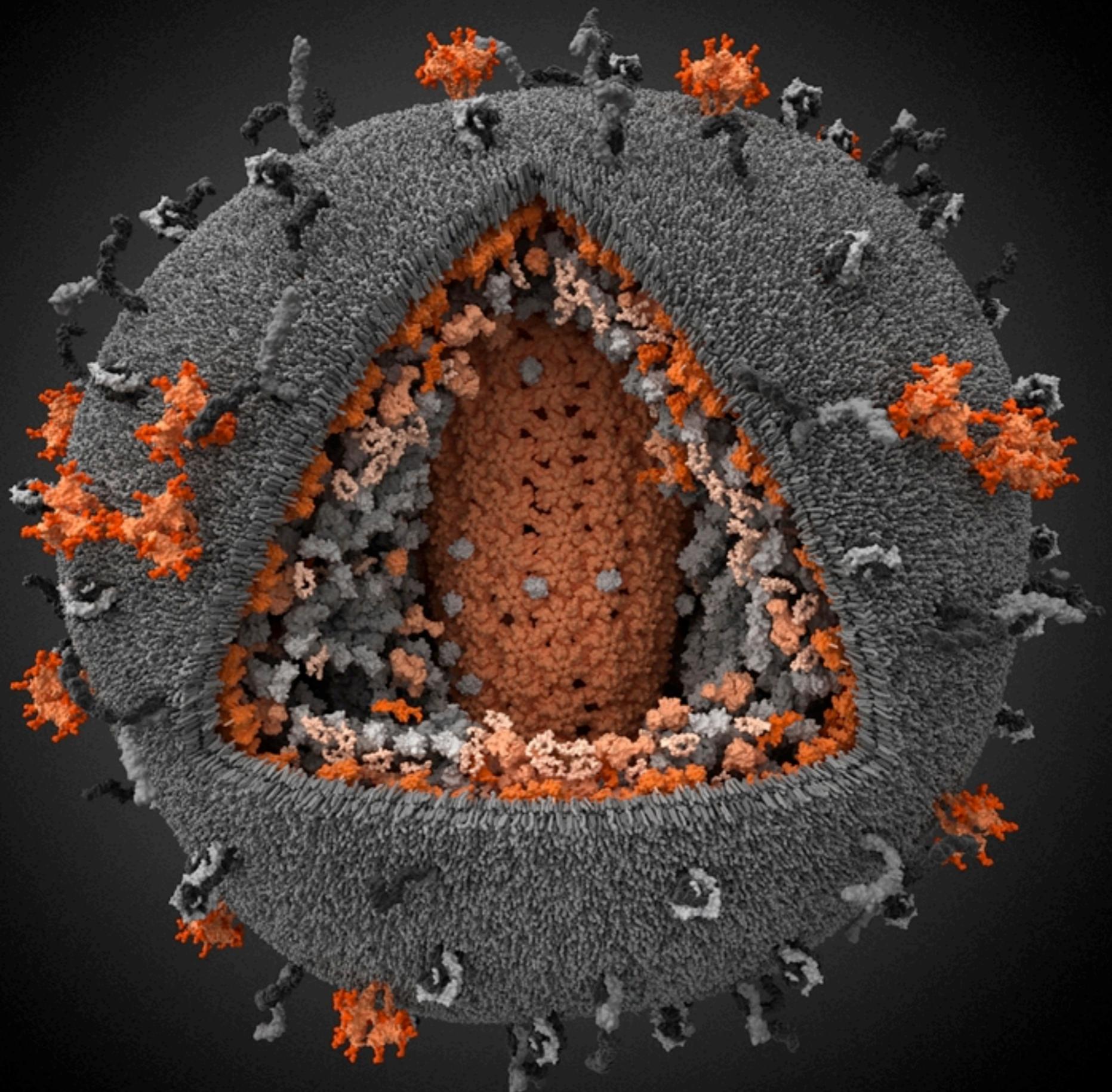


natural selection



survival machines



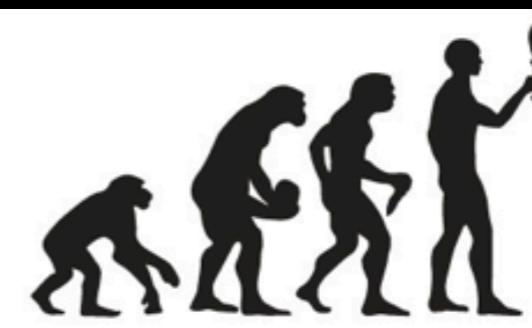




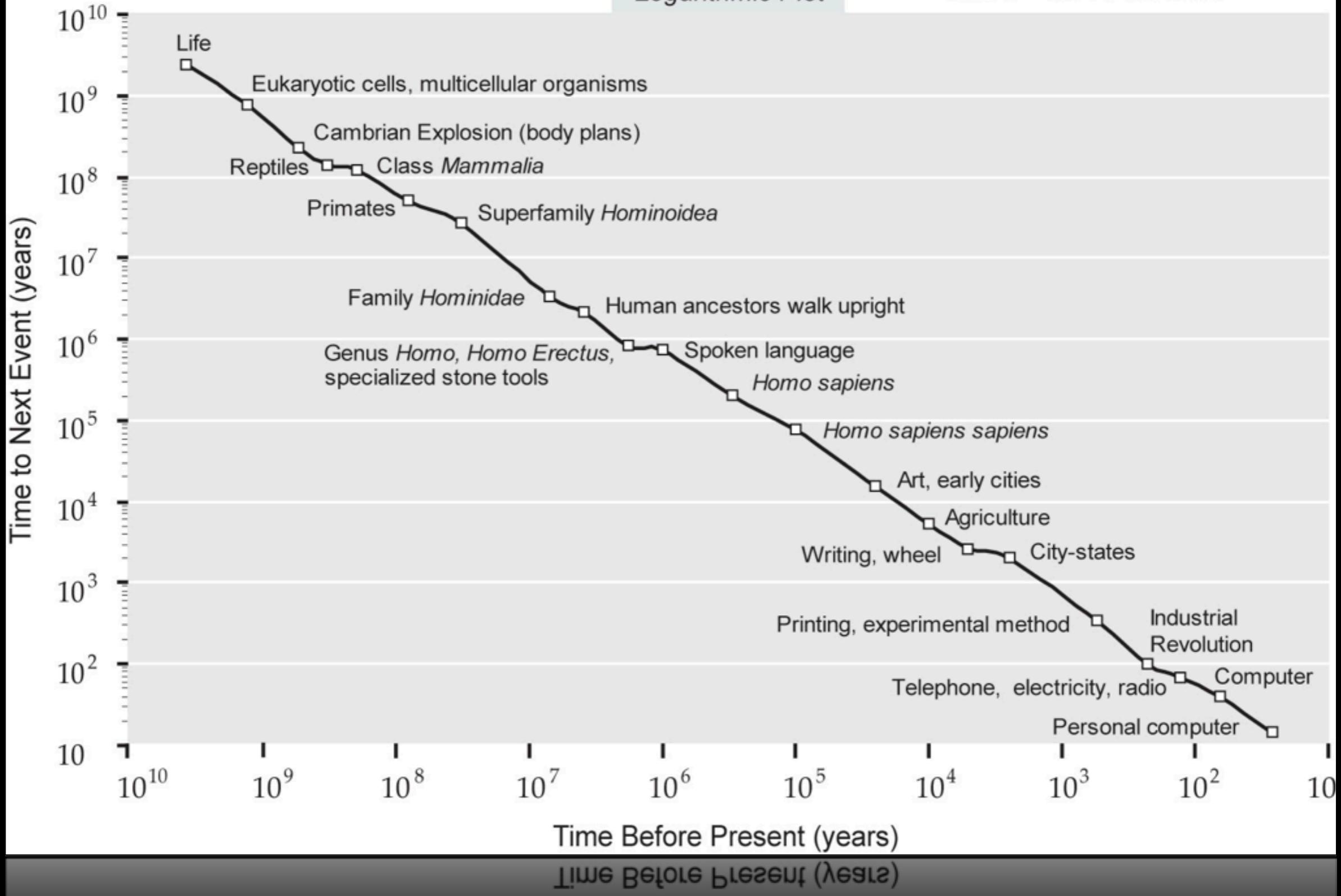
"Everyone and everything that isn't
a **stupendous badass** is dead."

-- Neal Stephenson, Cryptonomicon

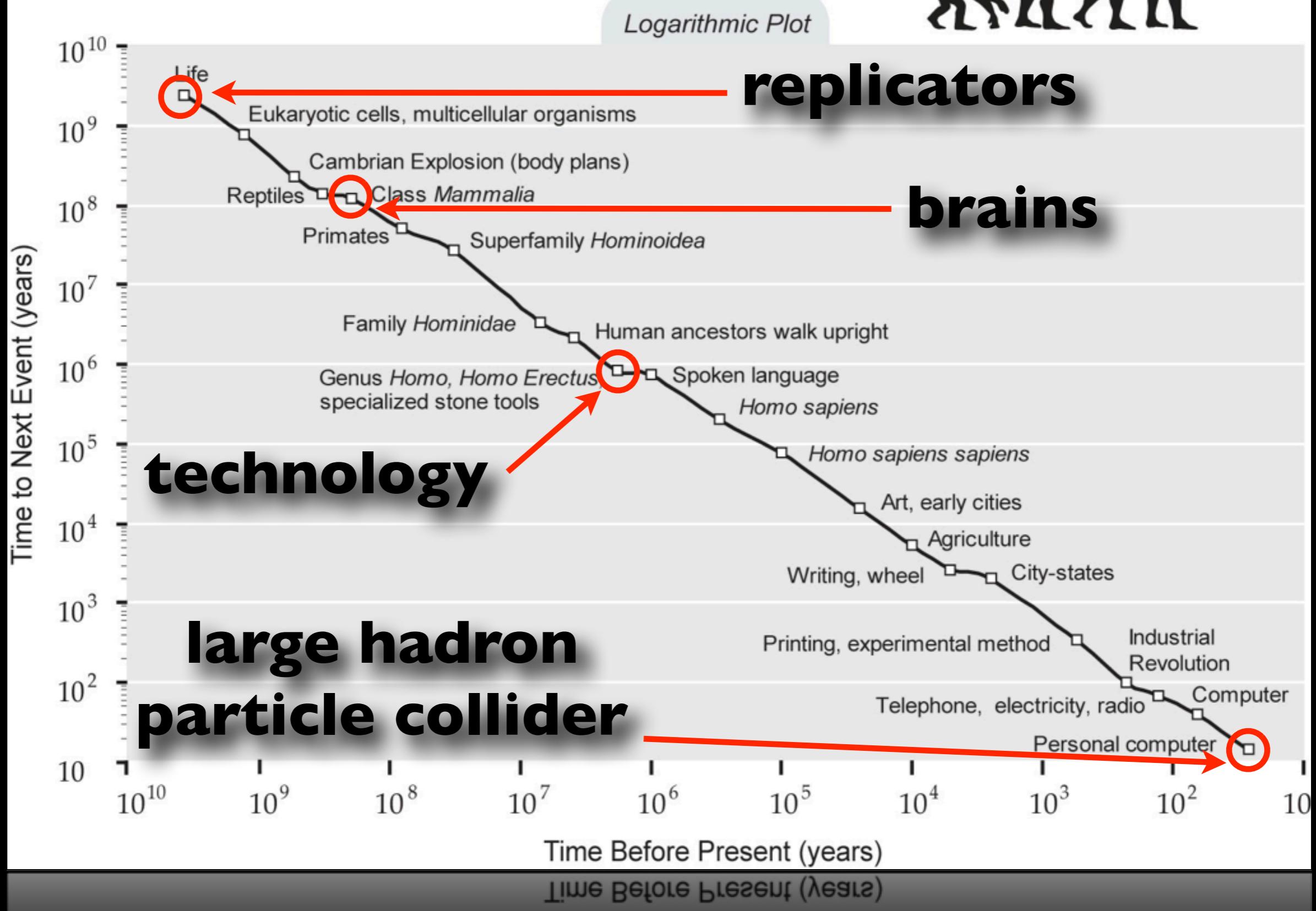
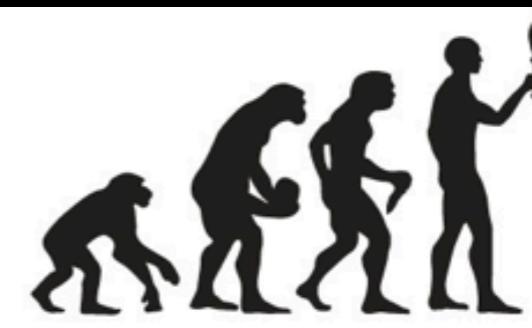
The Human Survival Machine



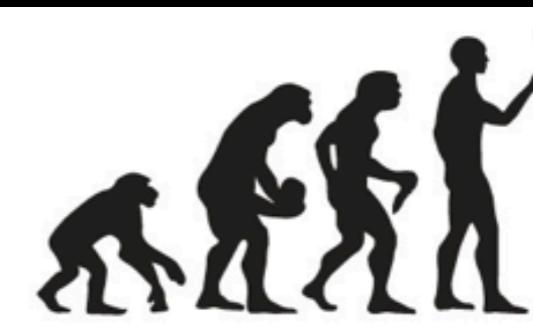
Logarithmic Plot



The Human Survival Machine



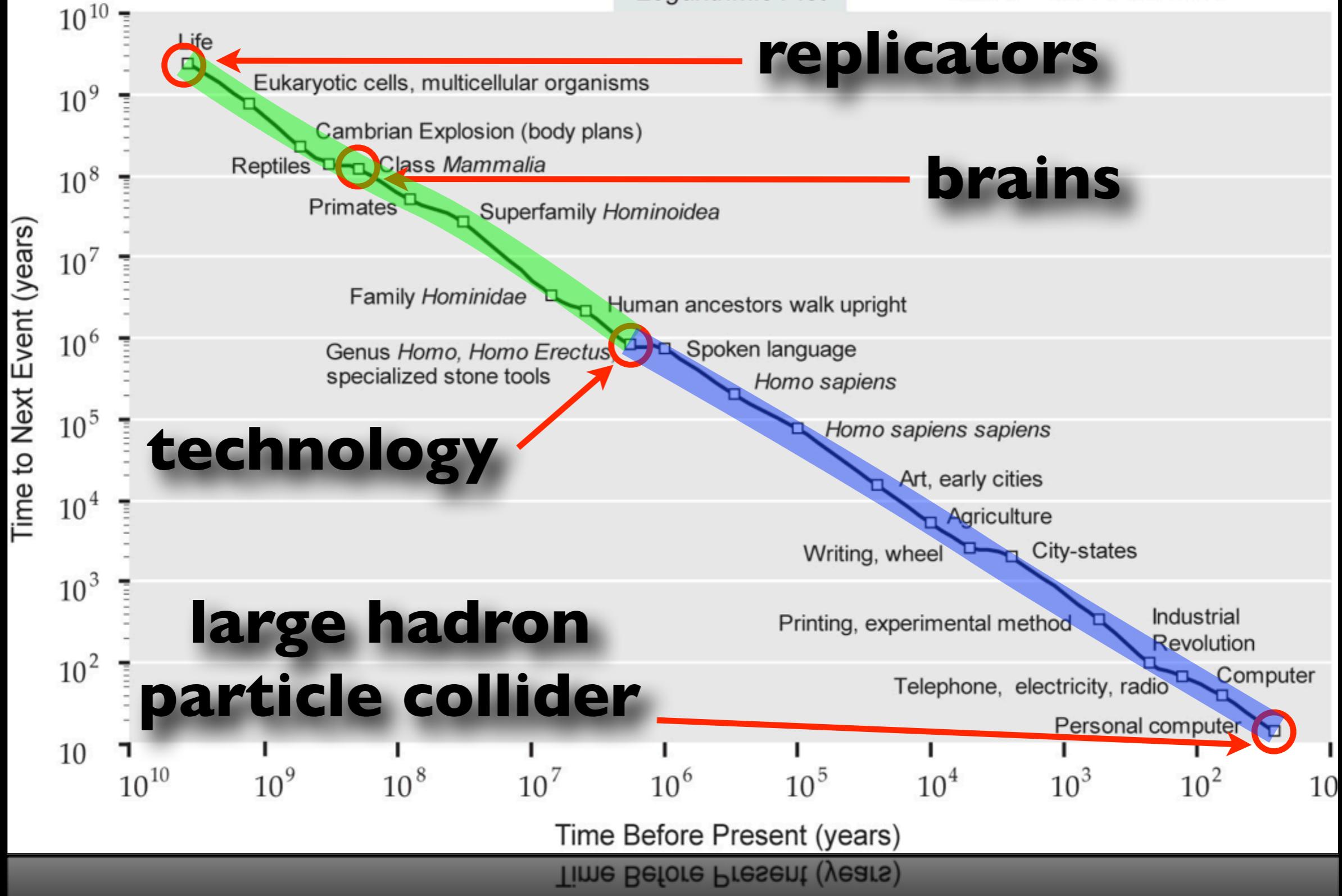
The Human Survival Machine



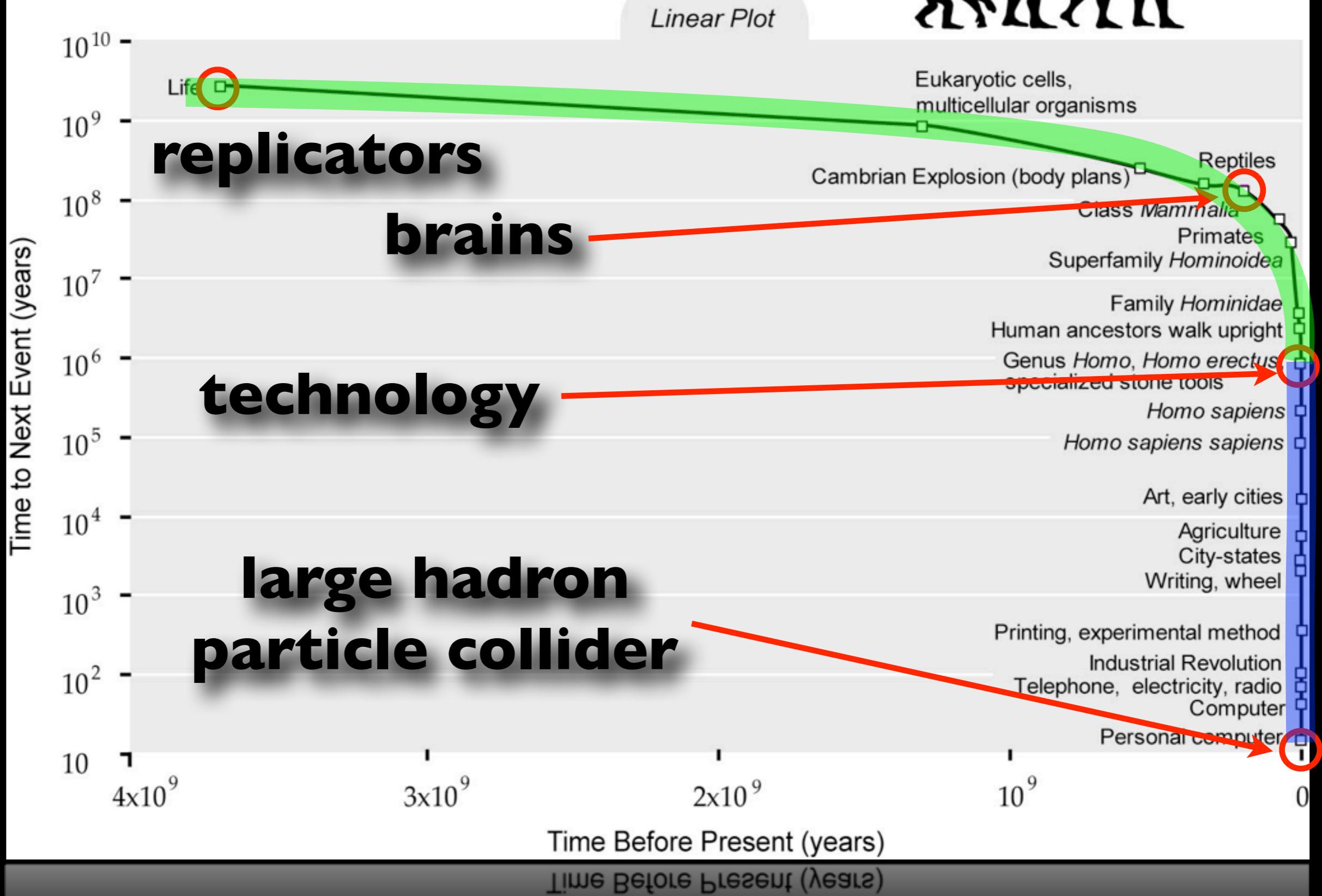
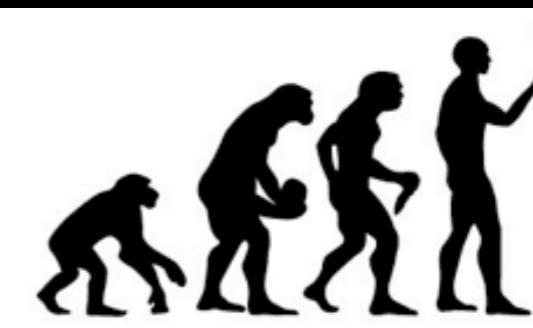
Logarithmic Plot

replicators

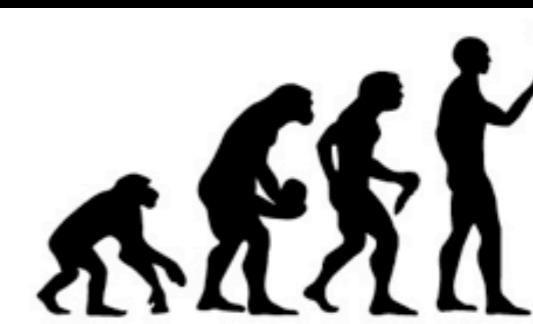
brains



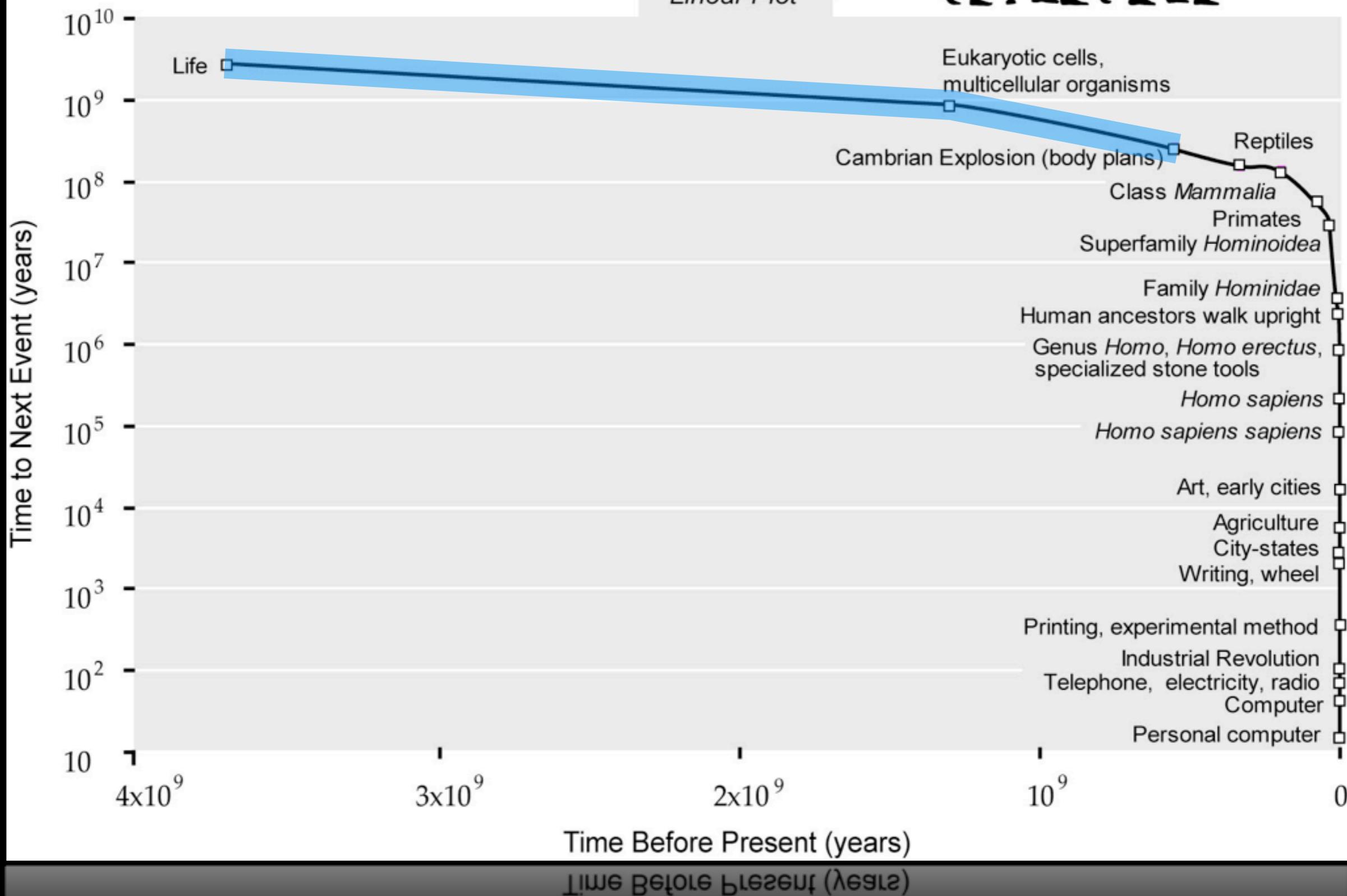
The Human Survival Machine



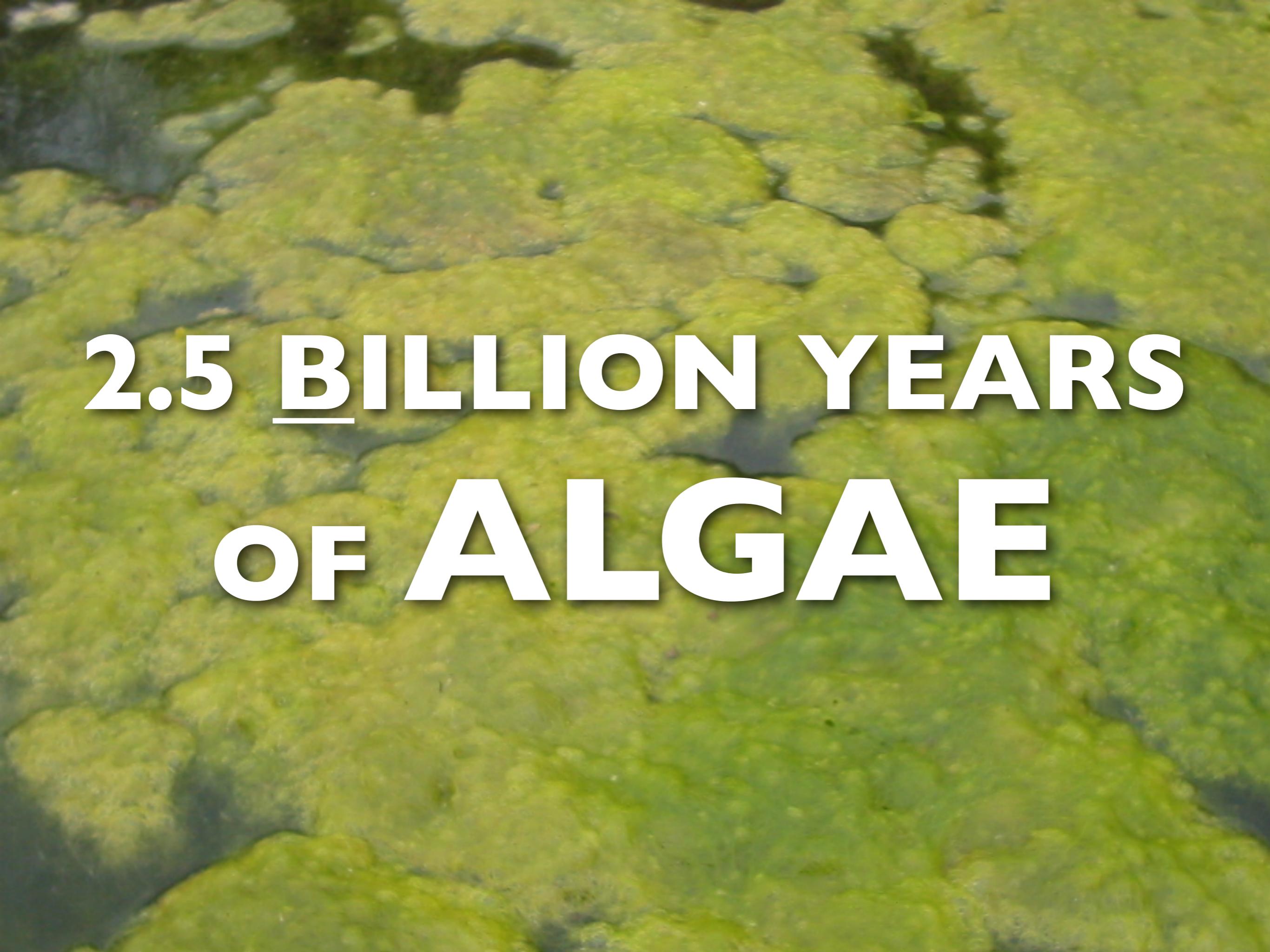
The Human Survival Machine



Linear Plot







**2.5 BILLION YEARS
OF ALGAE**







nature
don't
care

A dramatic photograph of a dark, funnel-shaped tornado touching down over a green field under a cloudy sky. The foreground shows a line of trees and bushes. The text "nature don't care" is overlaid in large, white, sans-serif letters.

nature
don't
care

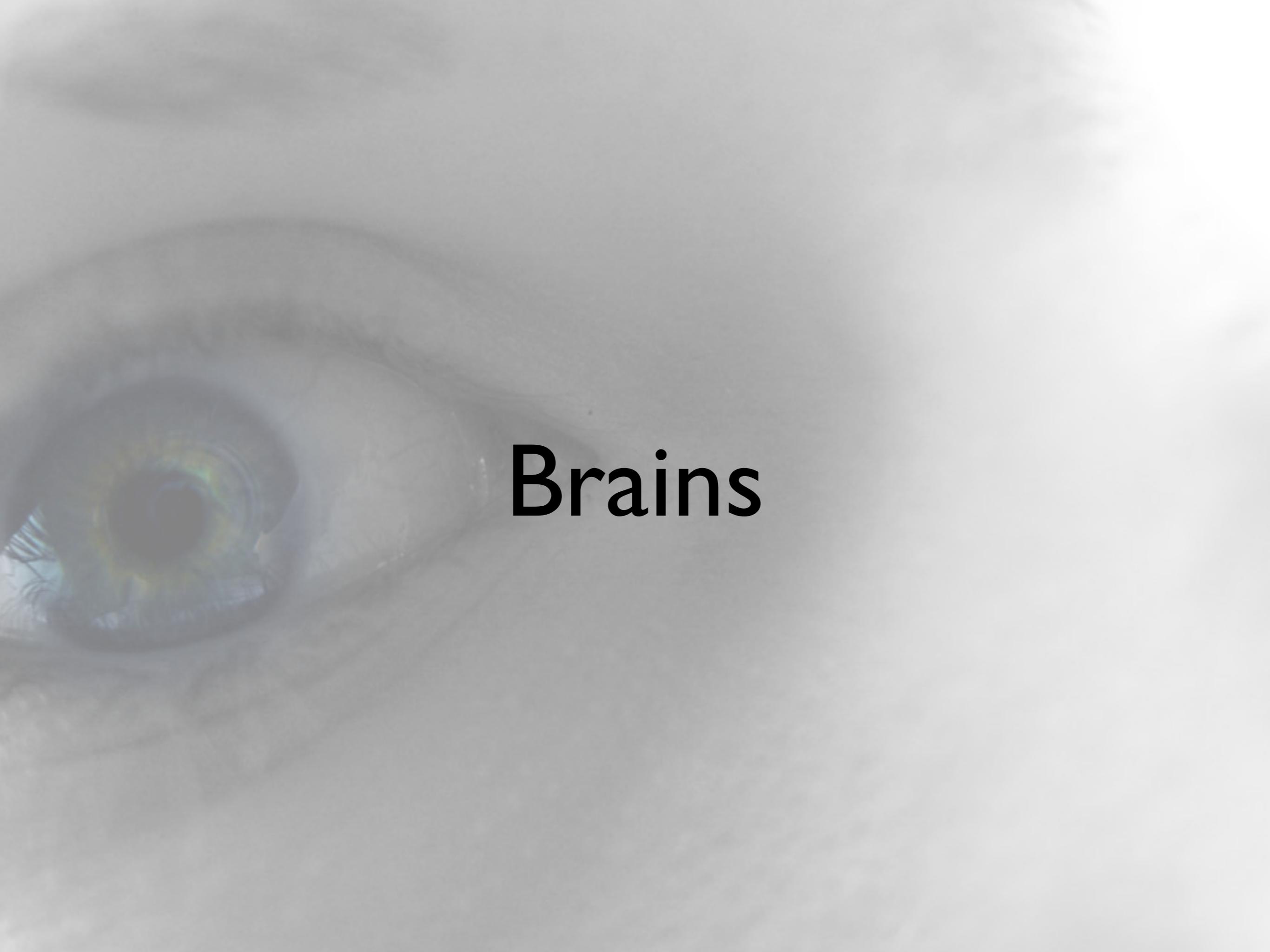


nature
don't
care

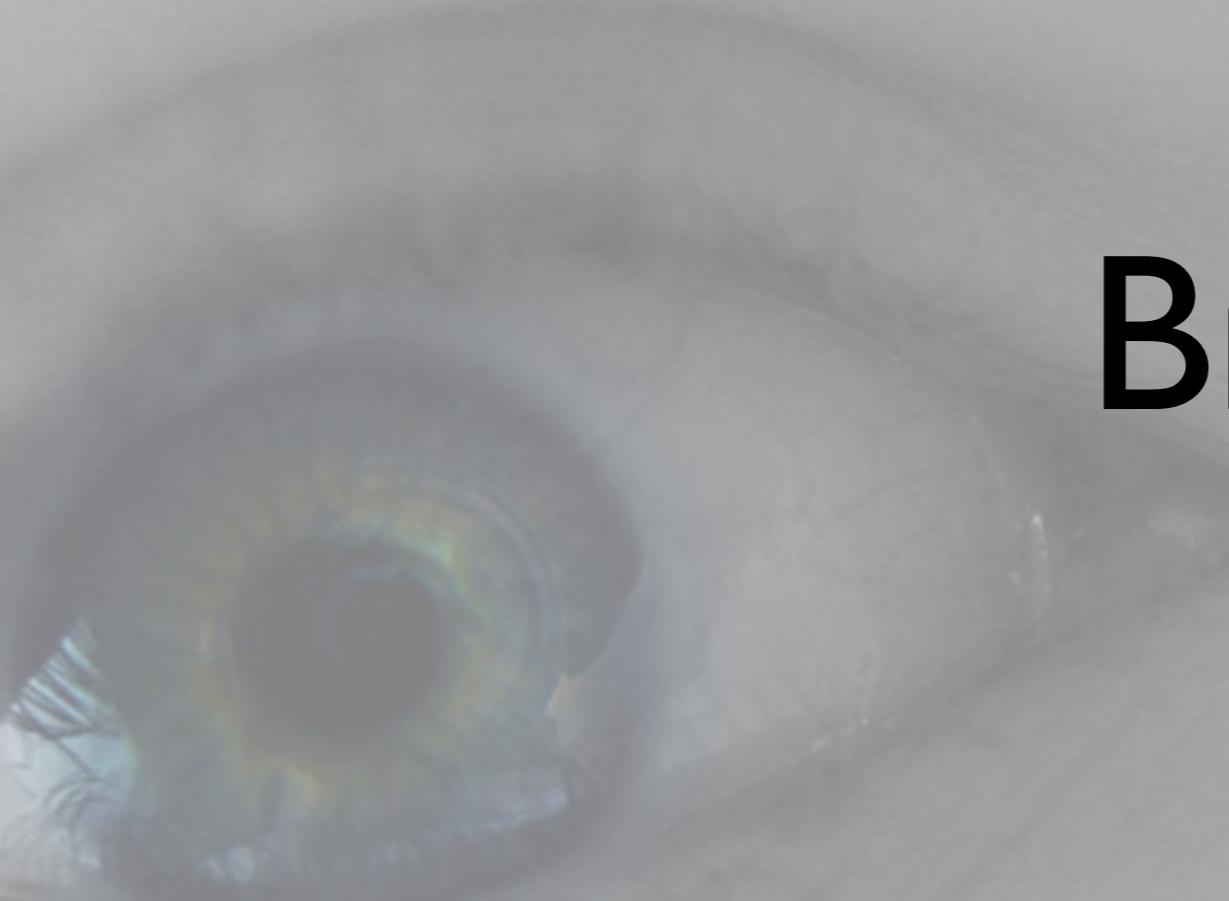
A dramatic image of a volcano erupting, with bright orange lava flowing down its slopes and a large plume of smoke and ash rising into the sky.

nature
don't
care





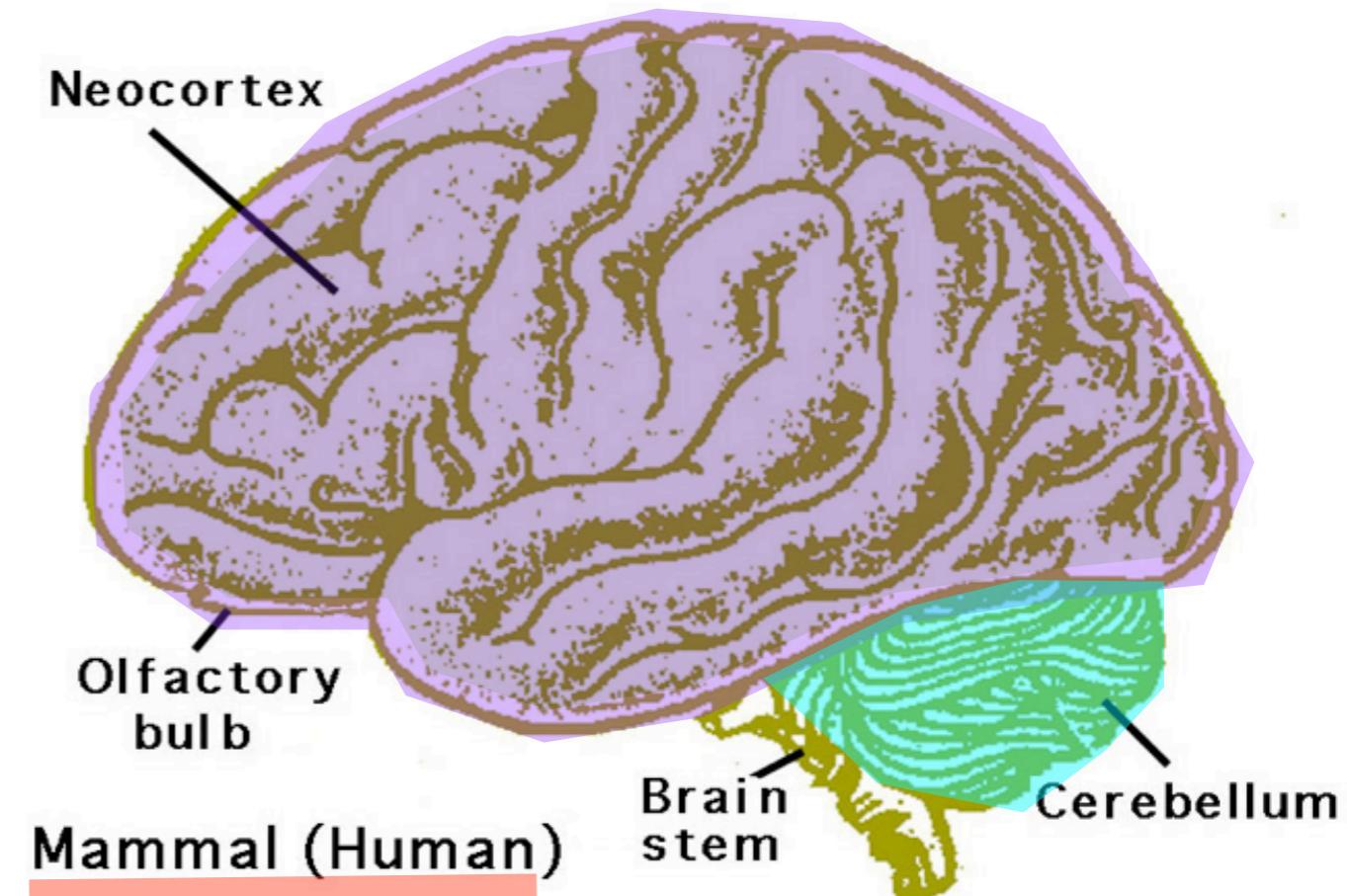
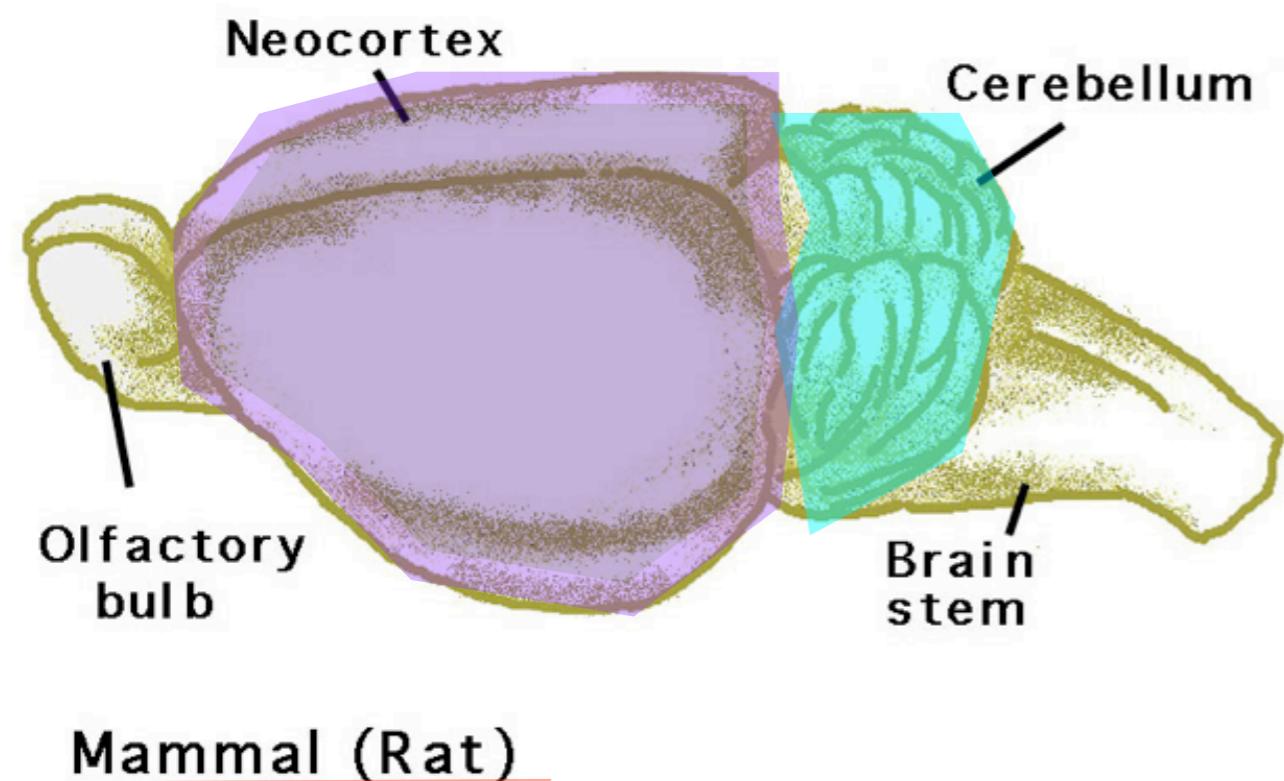
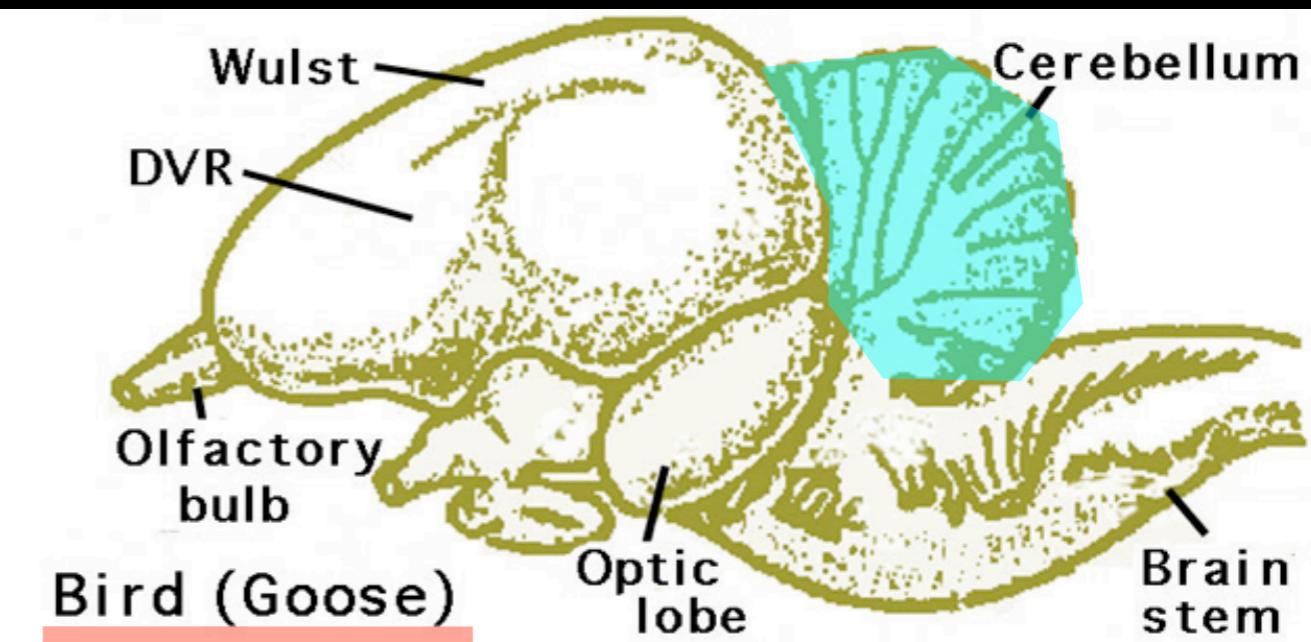
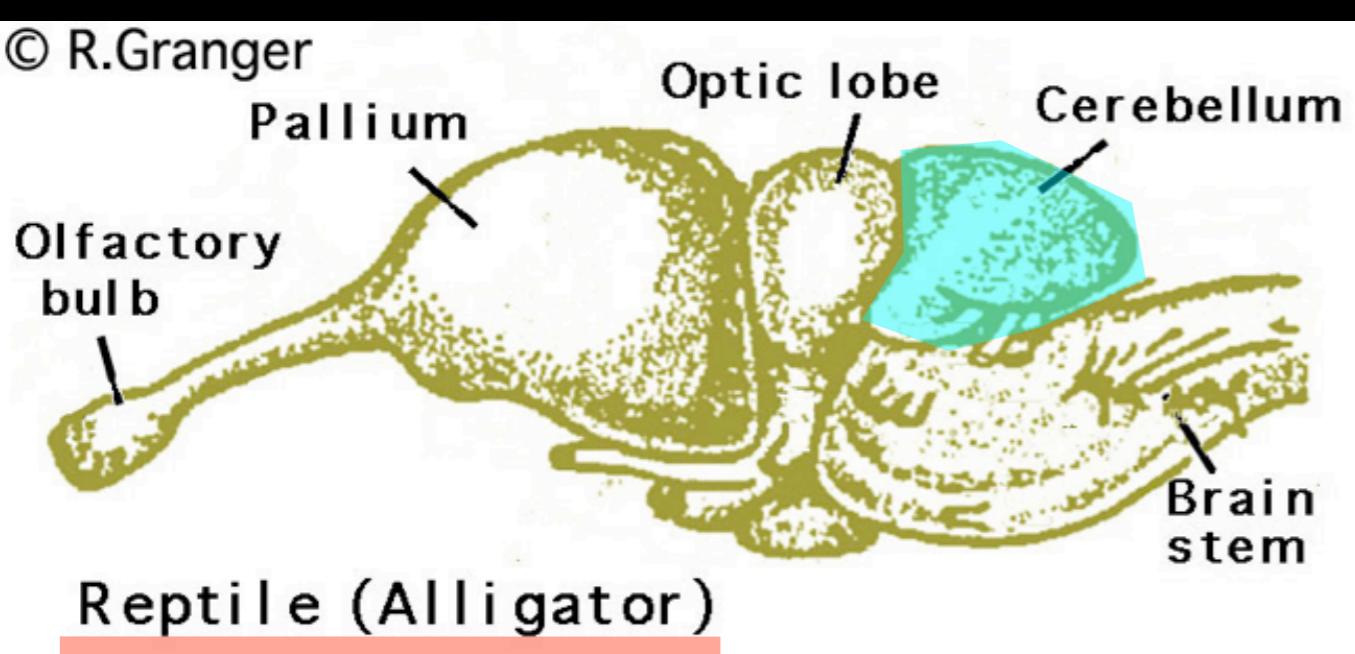
Brains

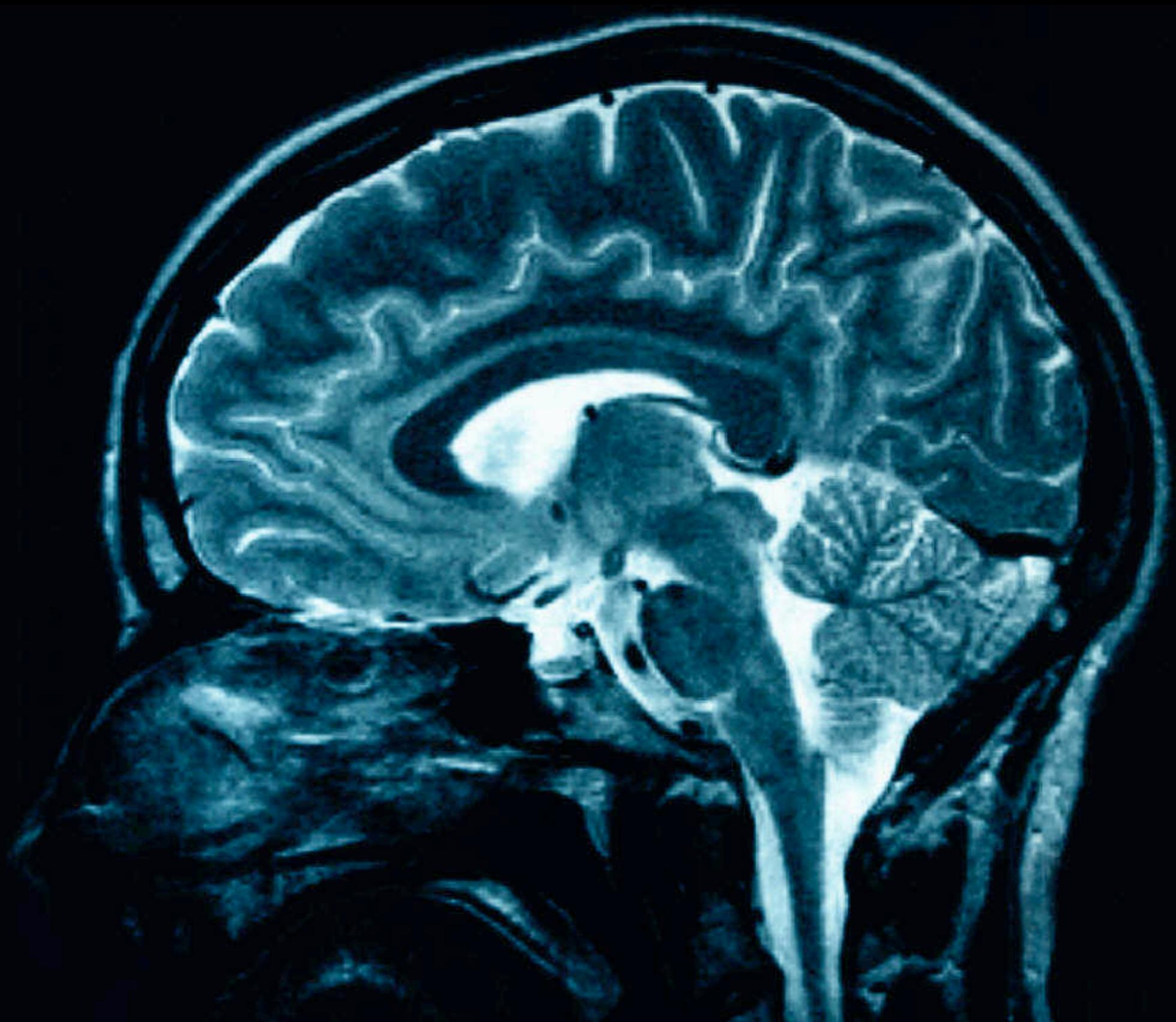


Genes



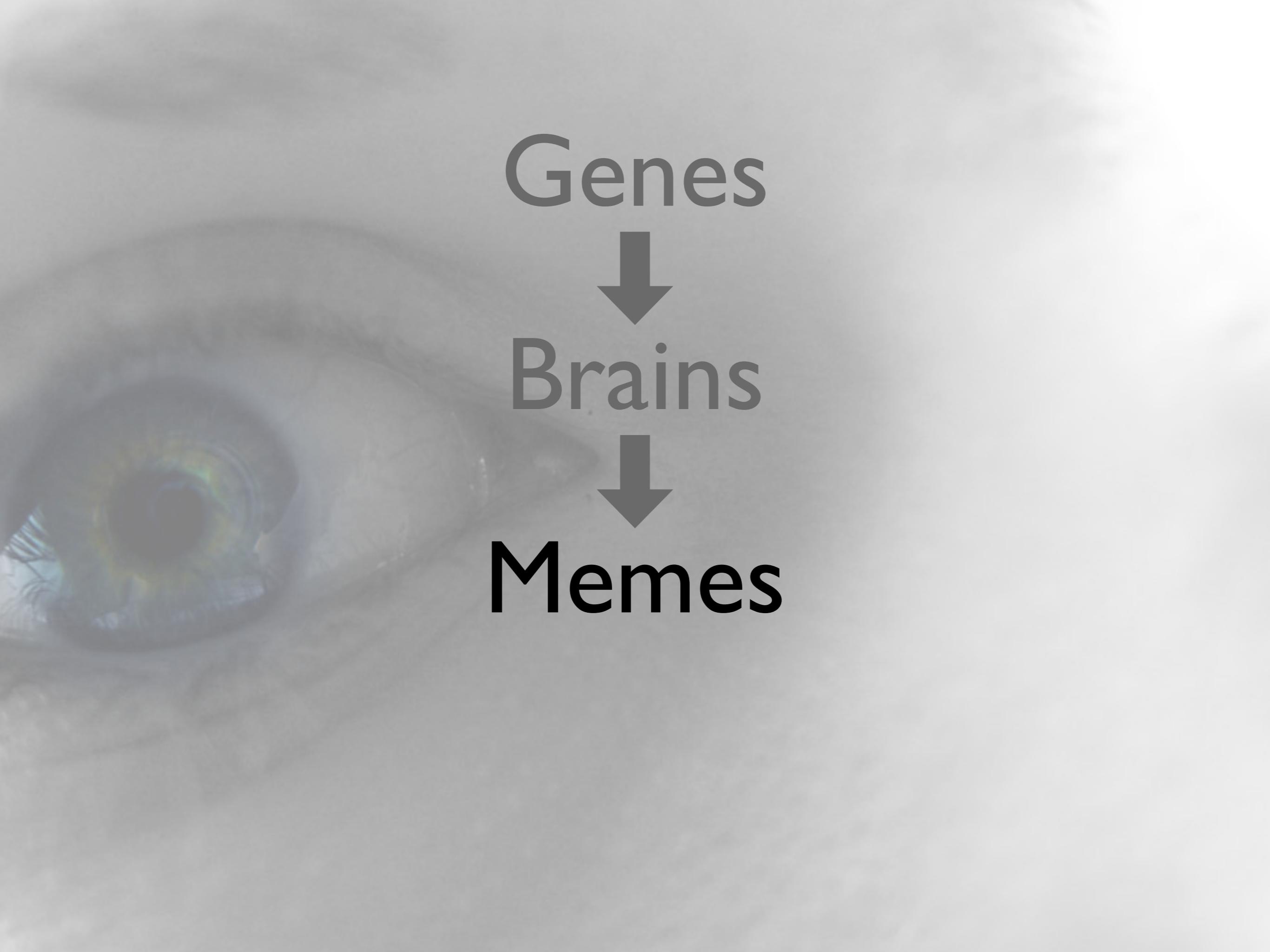
Brains







Memes



Genes

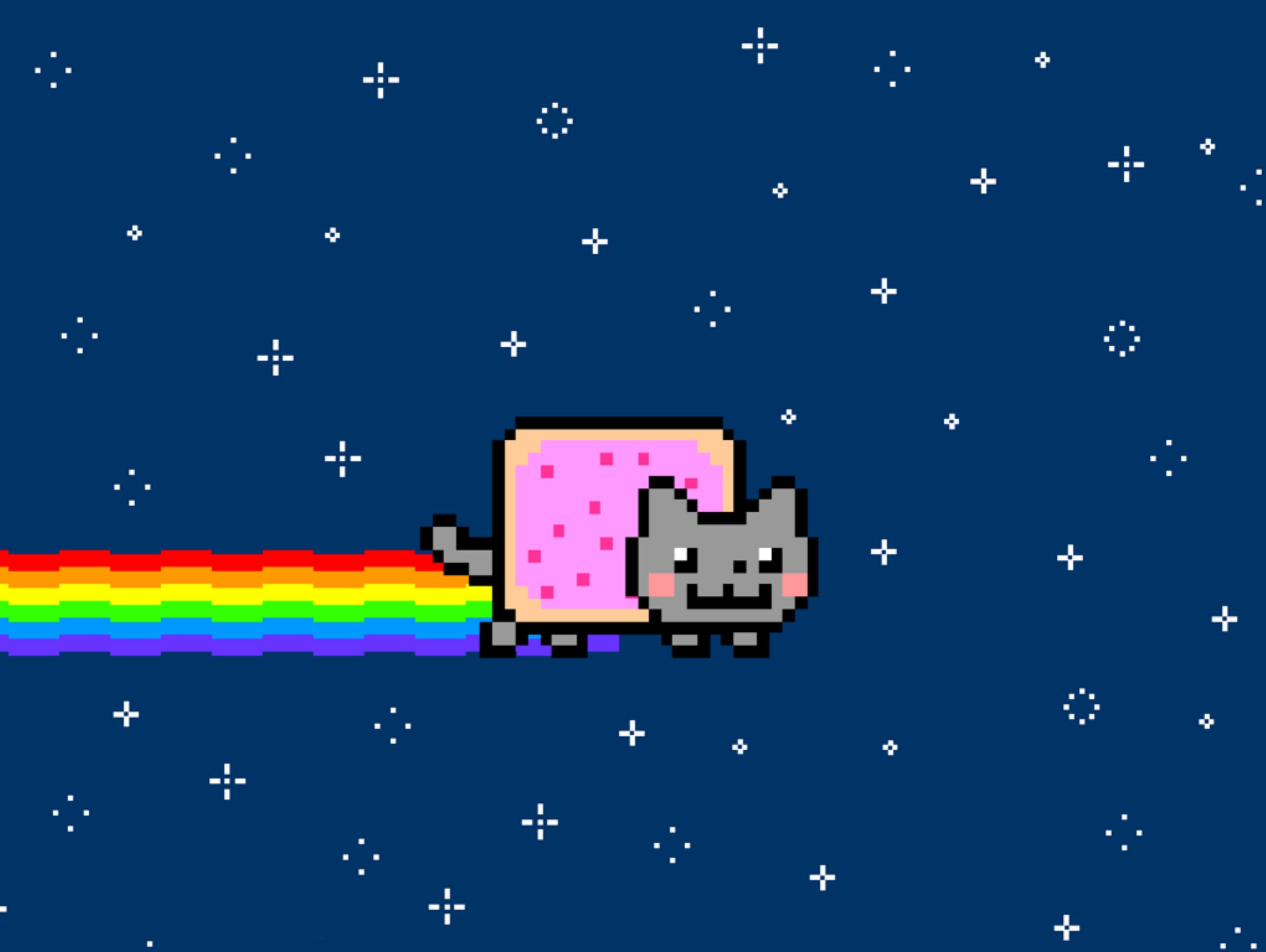


Brains



Memes











beta 1.5_01 flying

BYTACOM





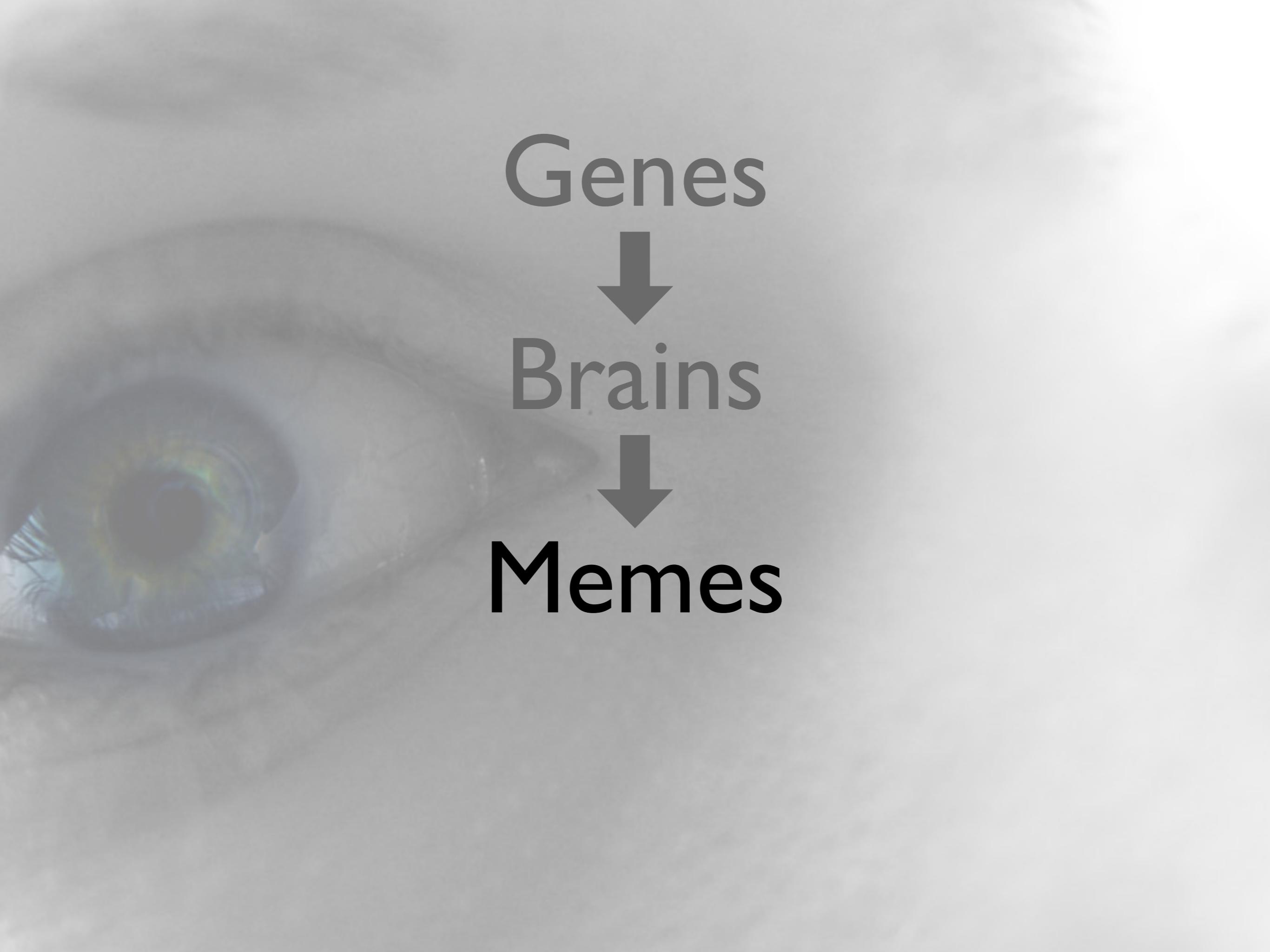




FORZA MOT







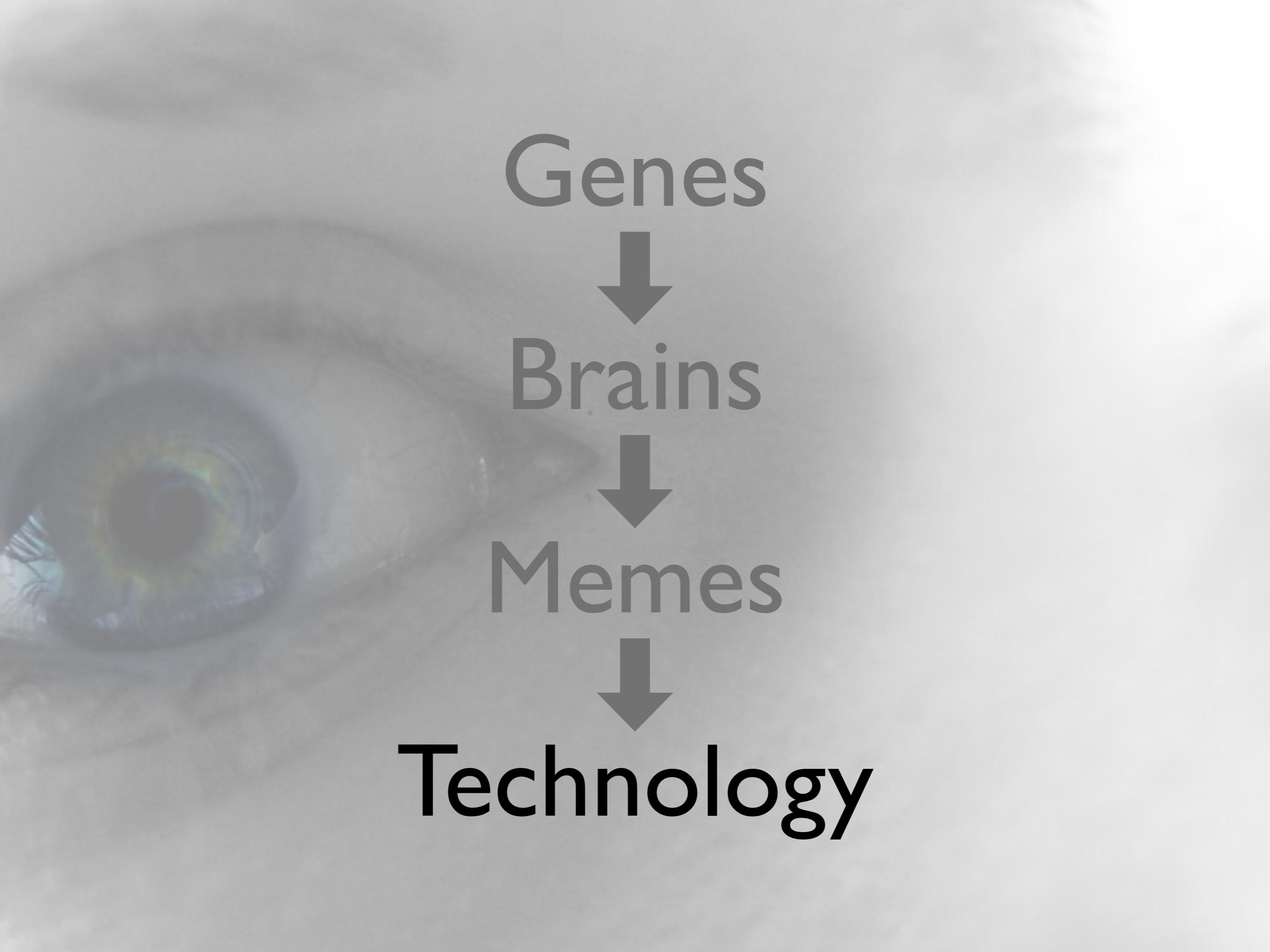
Genes



Brains



Memes



Genes



Brains



Memes

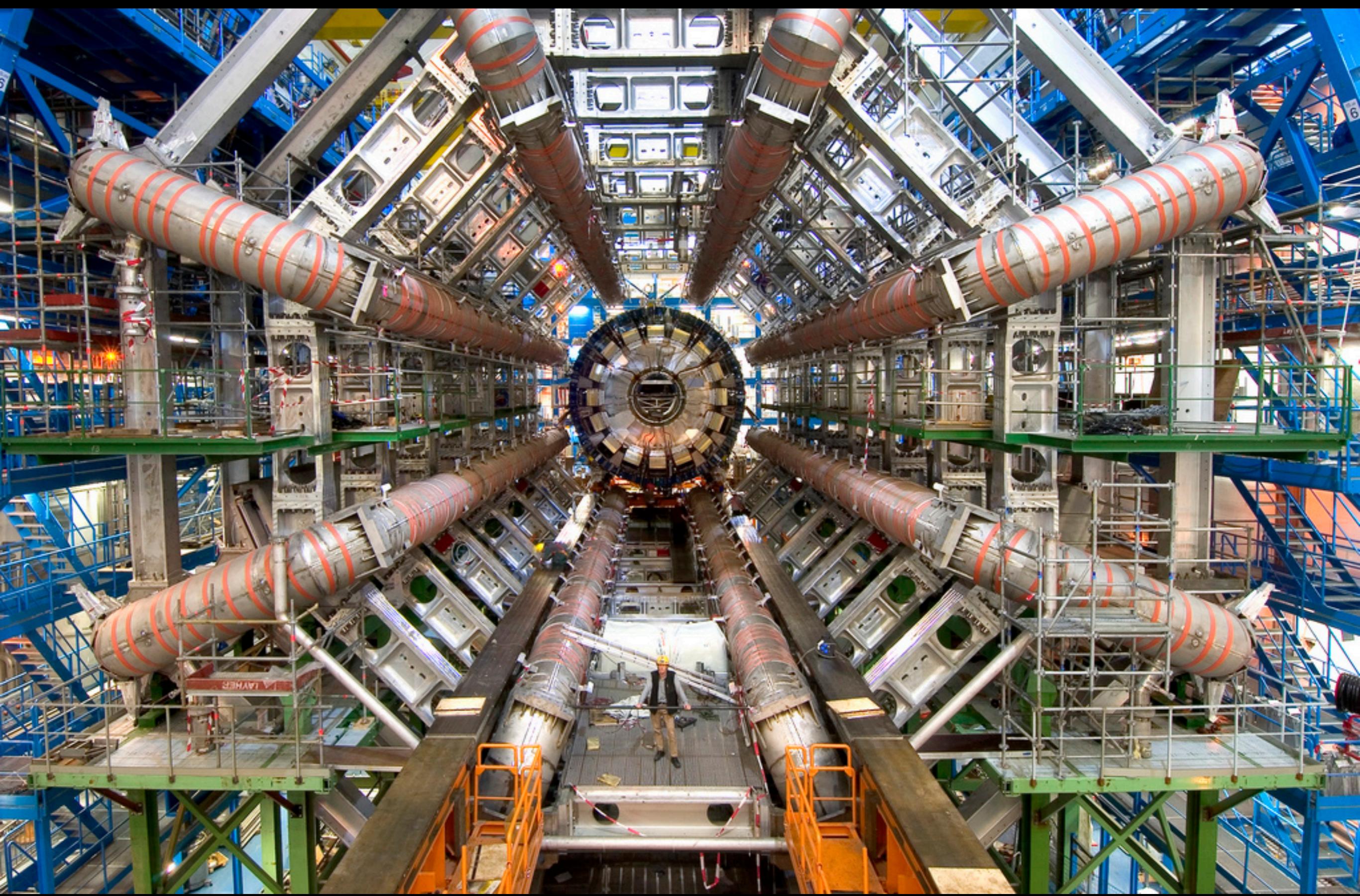


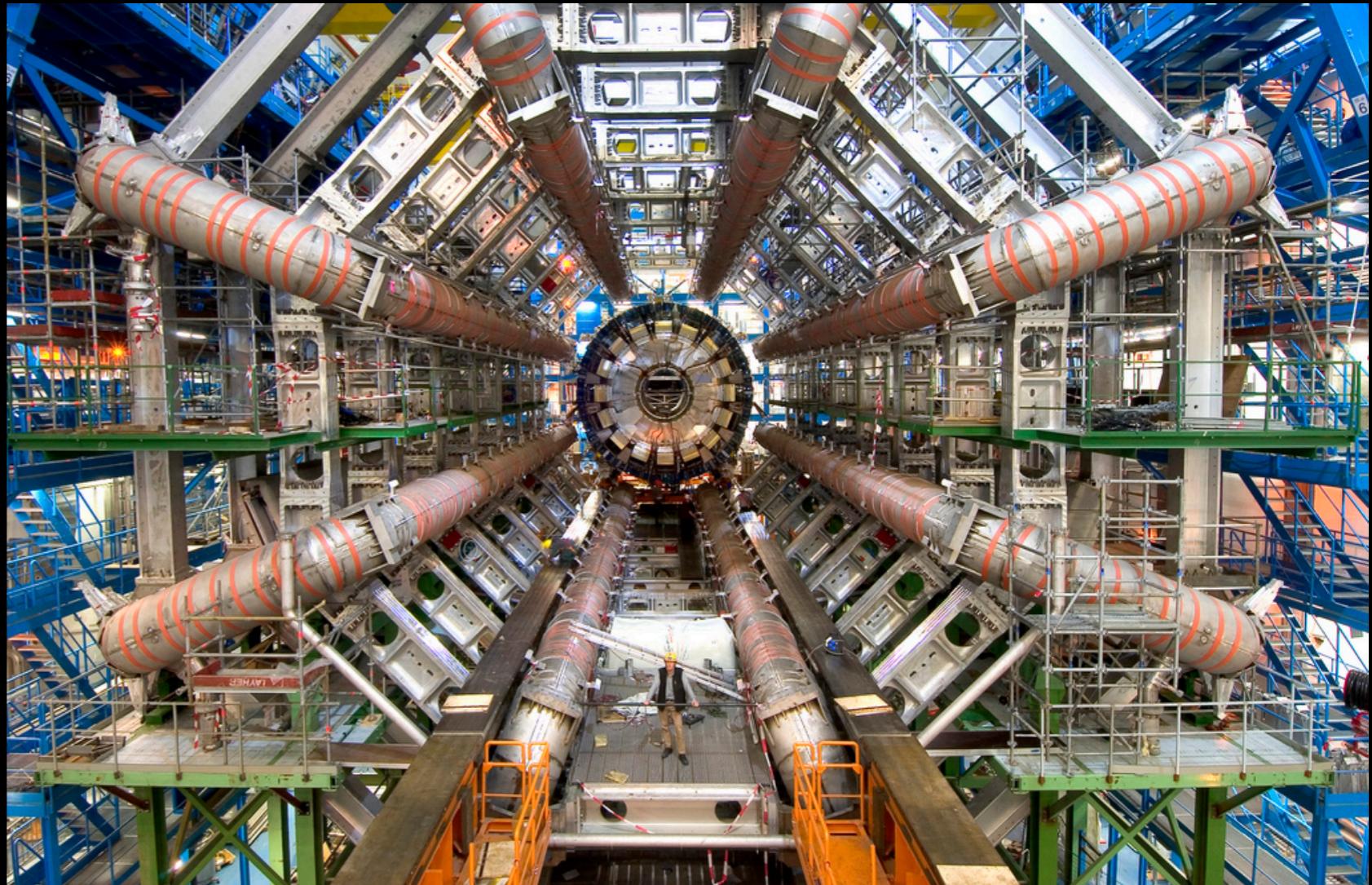
Technology

tech•no•lo•gy

technology
the application of scientific knowledge
for practical purposes







1,800,000 years



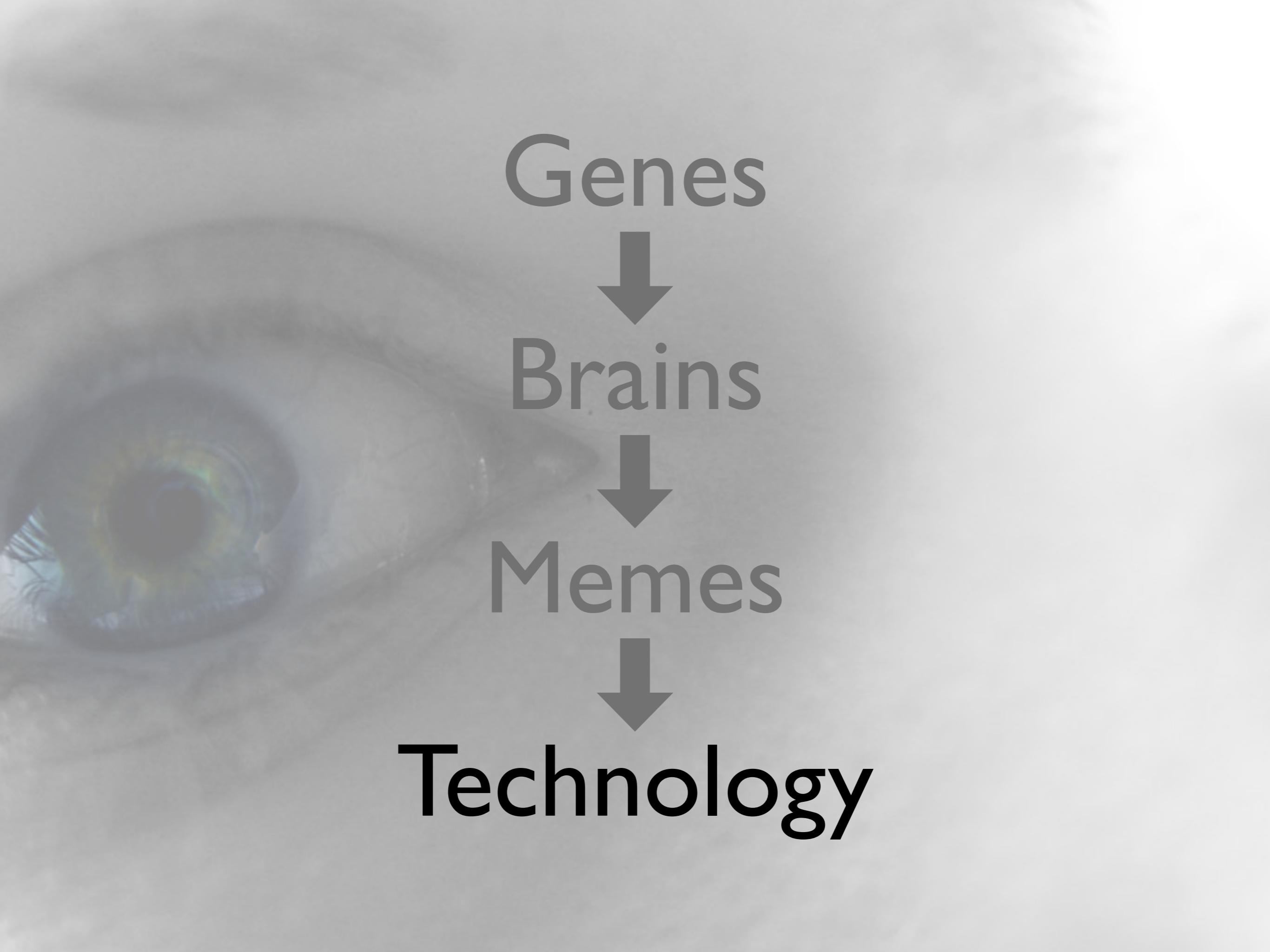
technology is assumed

why is technology?









Genes



Brains



Memes



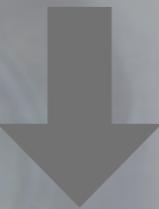
Technology



Genes



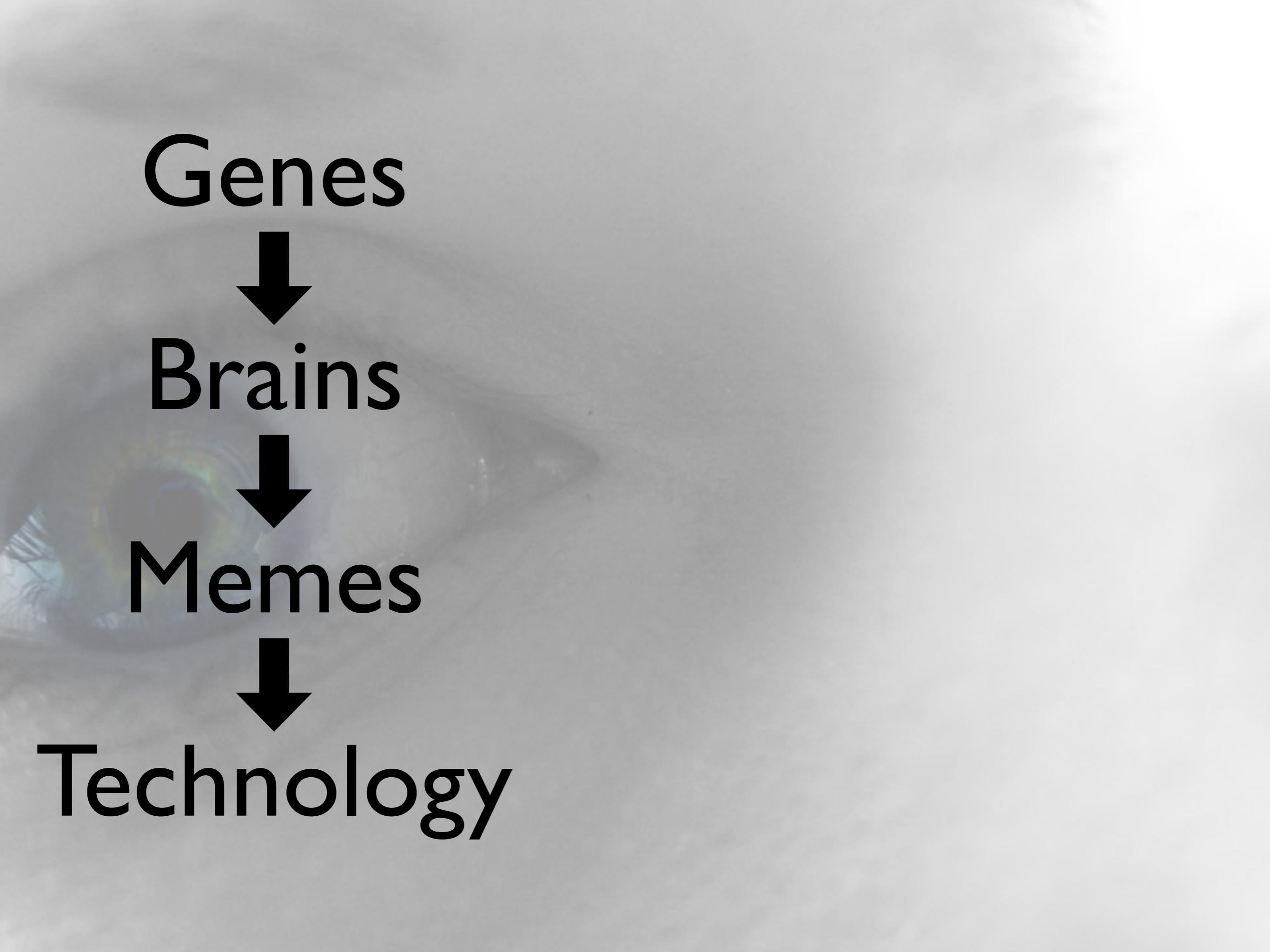
Brains



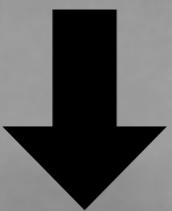
Memes



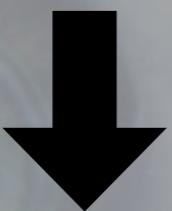
Technology

A faint, grayscale background image depicting a human brain in profile on the left and a DNA double helix structure on the right.

Genes



Brains



Memes



Technology

Genes



Brains



Memes



Technology

Information stored in hardware
of organisms - DNA

Genes



Brains



Memes



Technology

Information stored in hardware
of organisms - DNA

Information accumulated within
organisms during life span

Genes



Brains



Memes



Technology

Information stored in hardware of organisms - DNA

Information accumulated within organisms during life span

Information shared between organisms and passed down generations

Genes



Brains



Memes



Technology

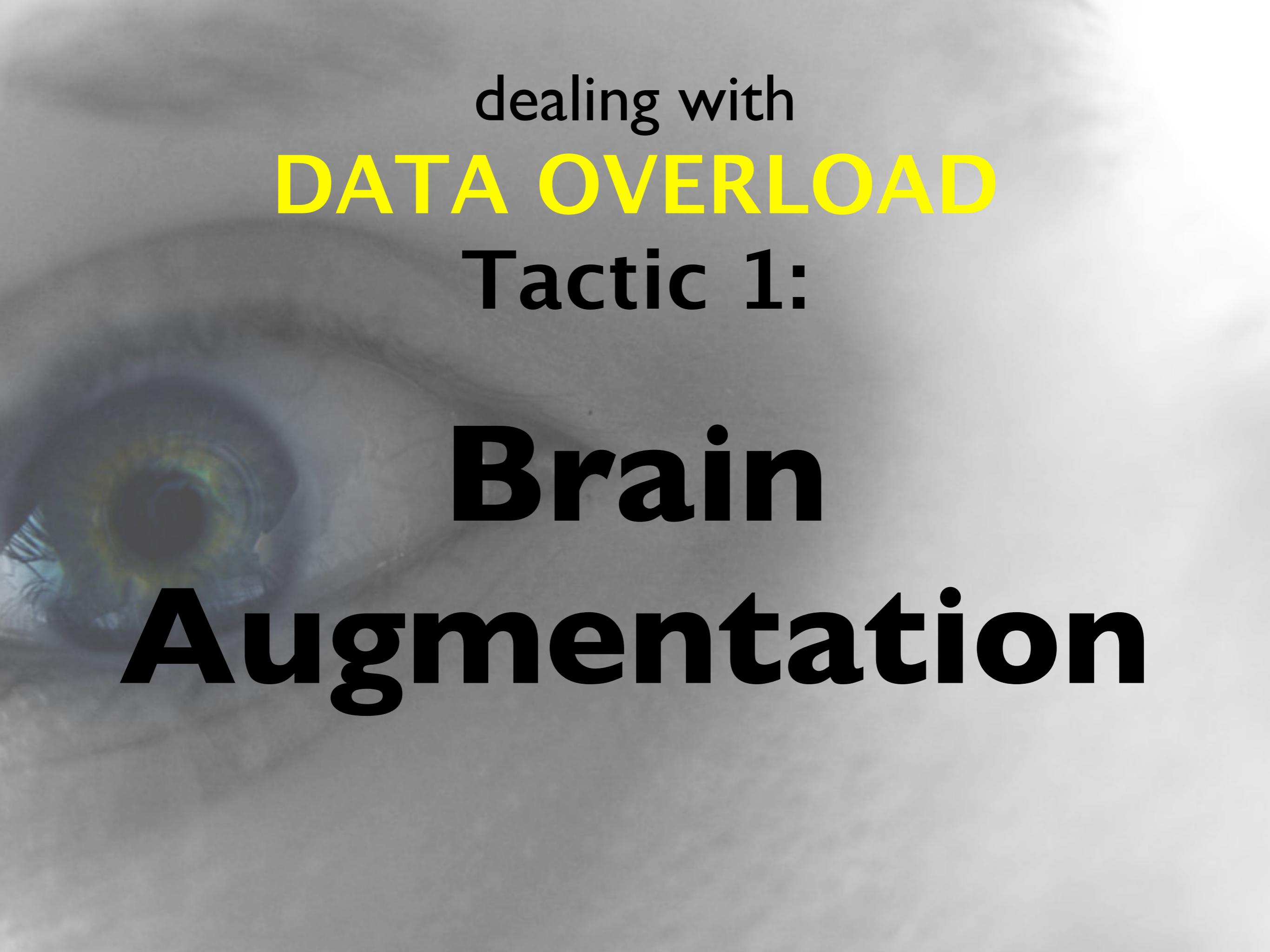
Information stored in hardware of organisms - DNA

Information accumulated within organisms during life span

Information shared between organisms and passed down generations

Information stored within the physical non-living world

DATA OVERLOAD

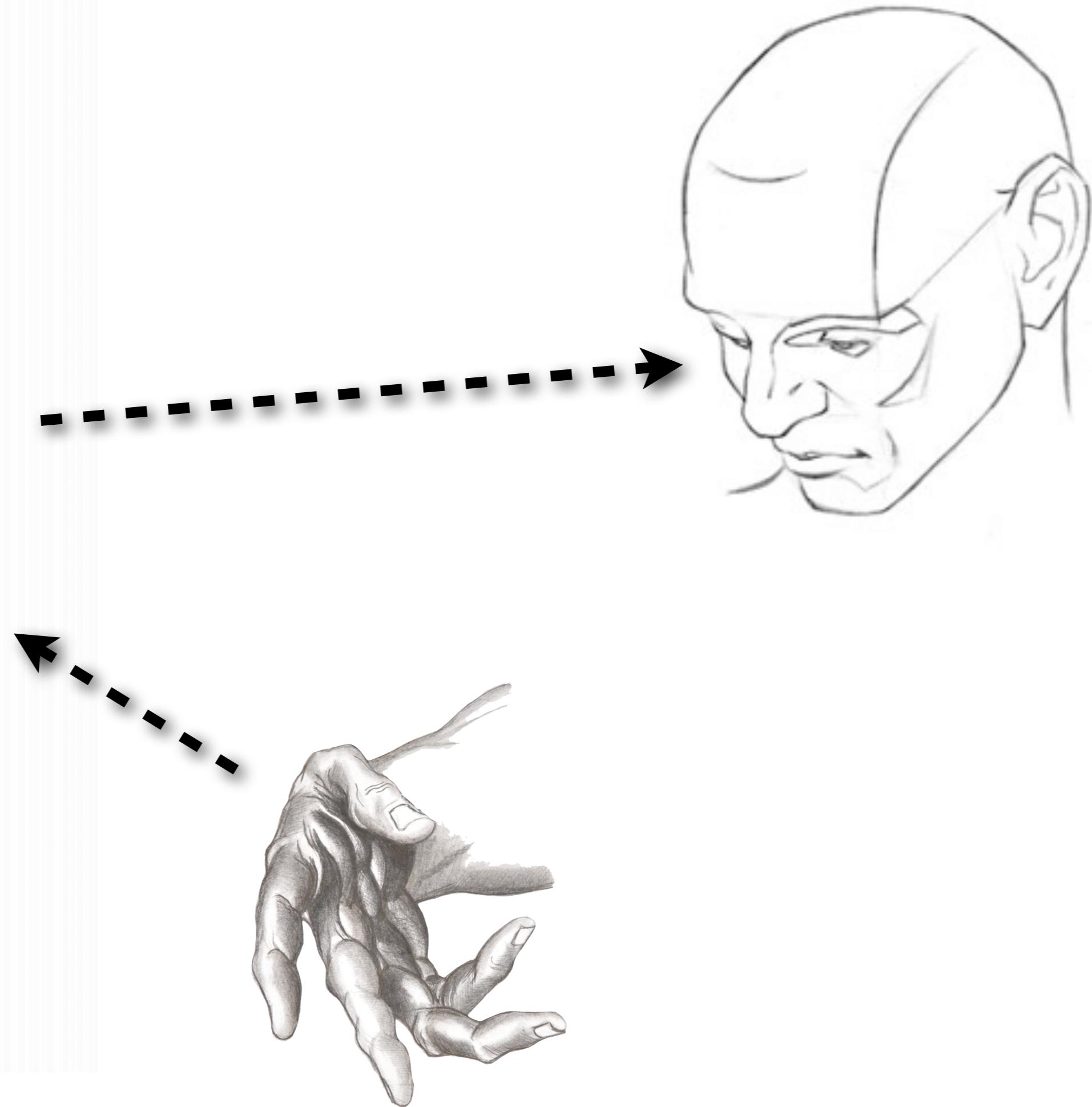


dealing with
DATA OVERLOAD

Tactic 1:

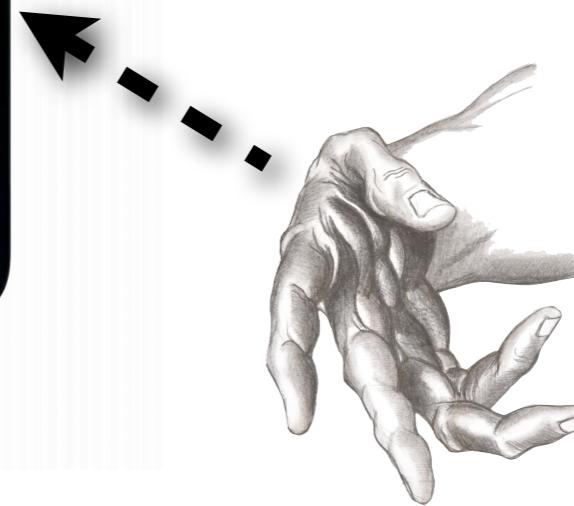
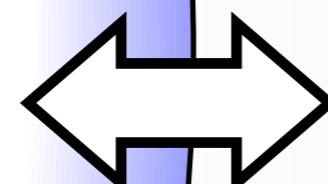
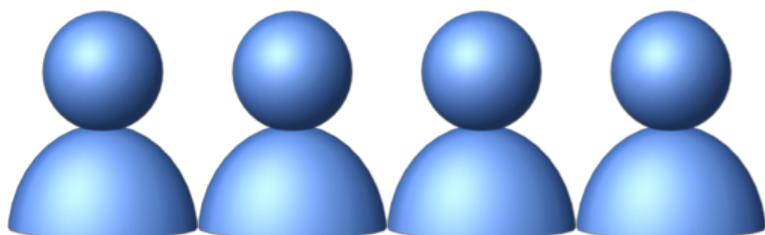
**Brain
Augmentation**





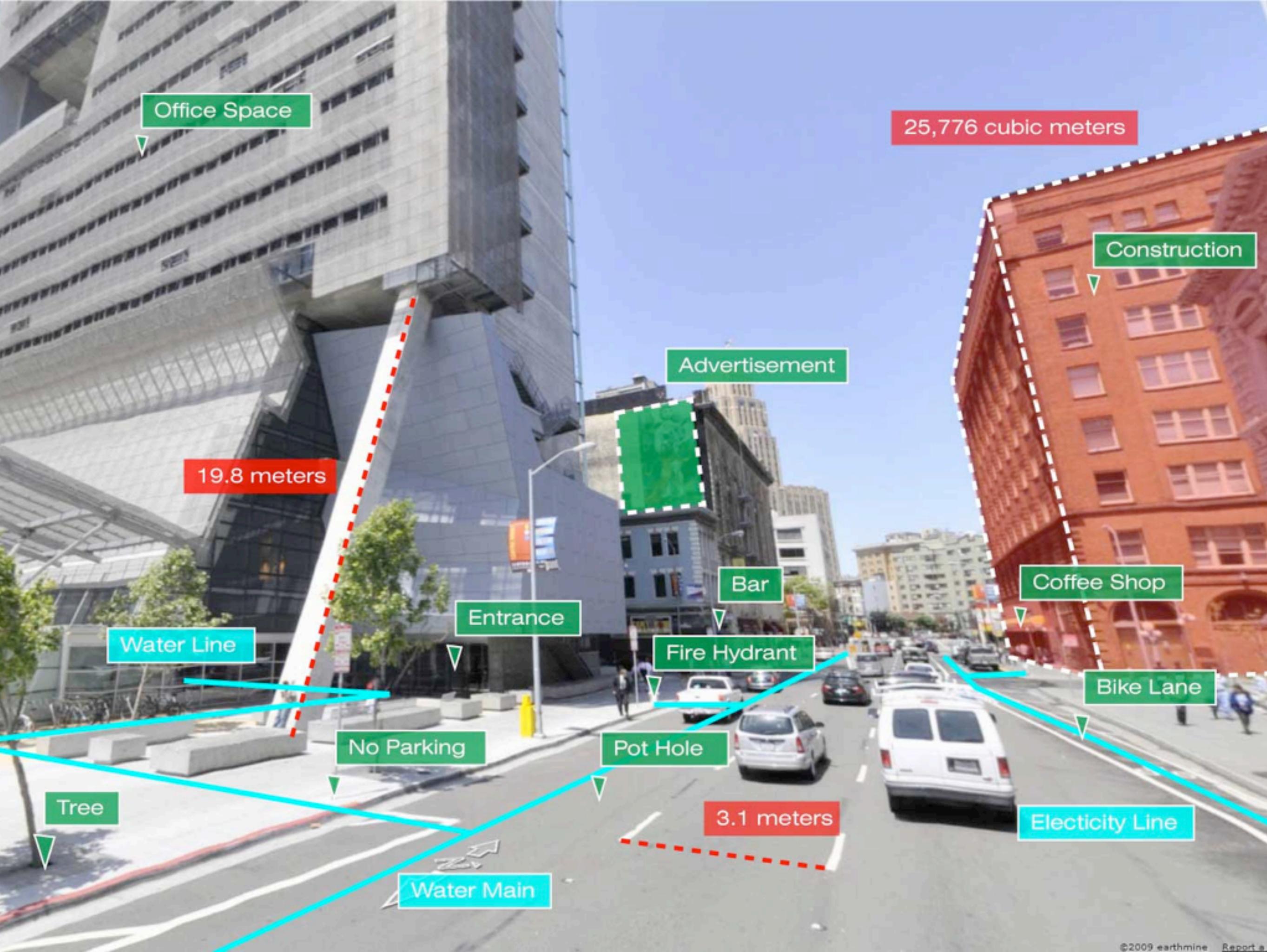
10001110

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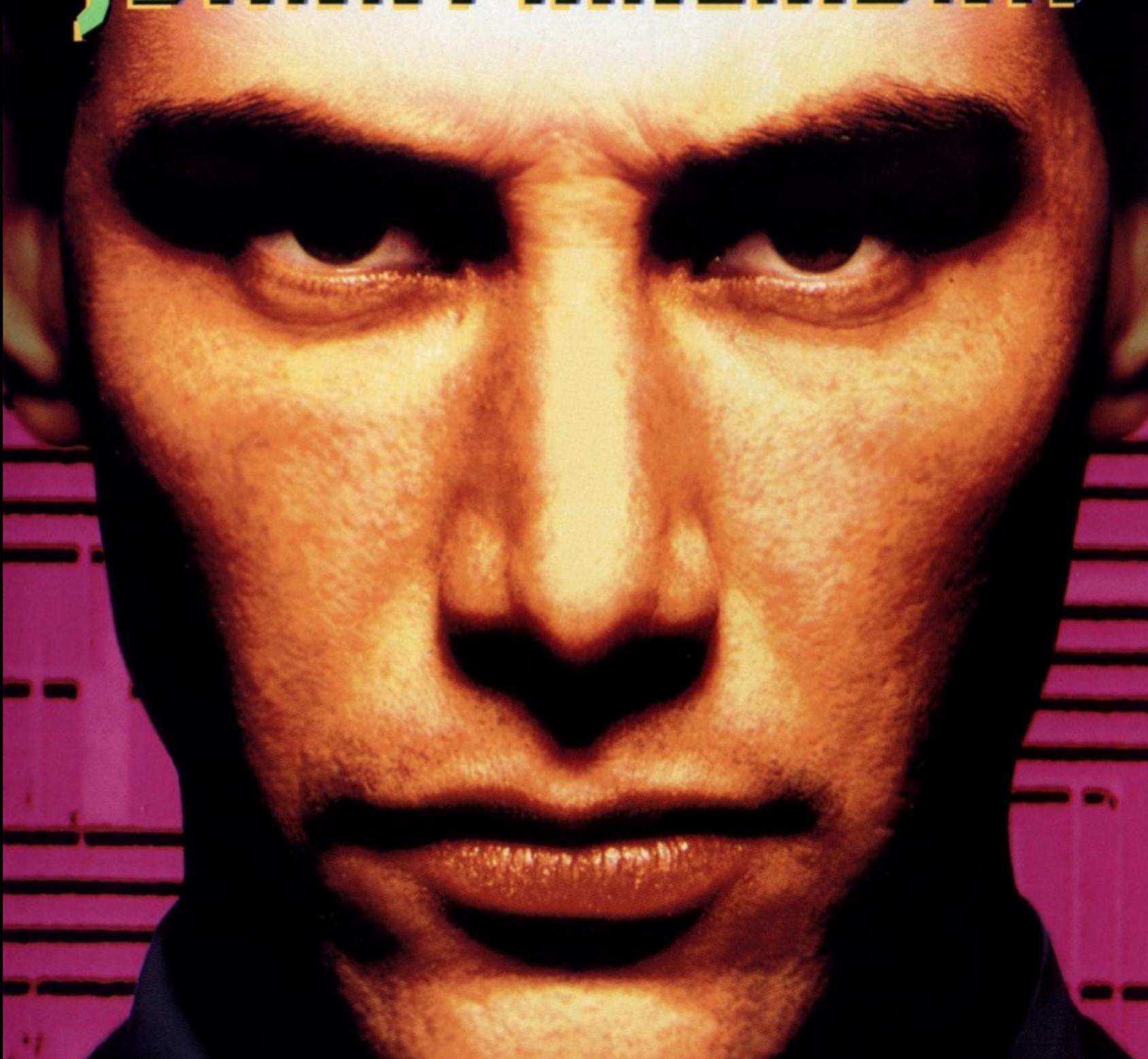






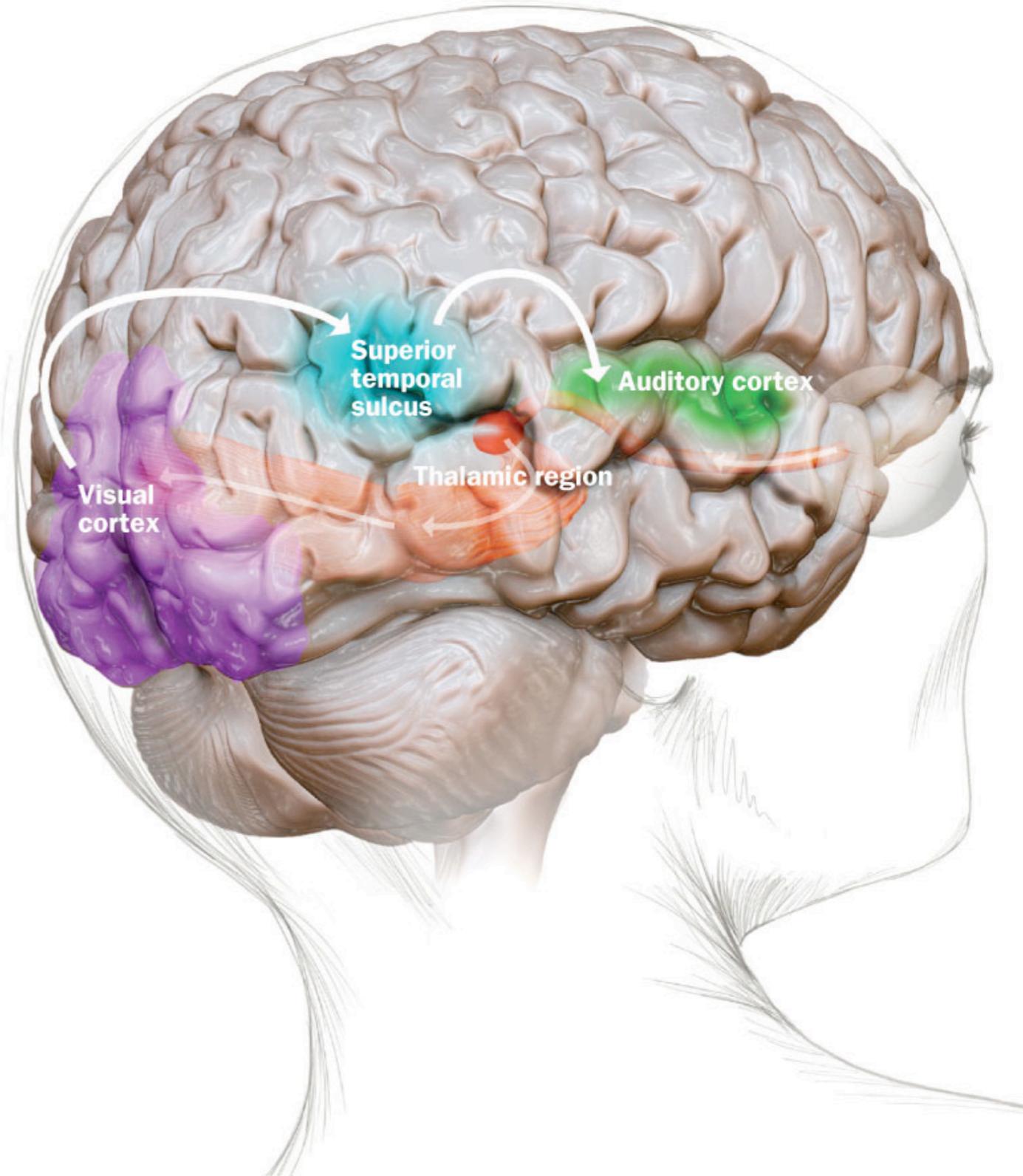
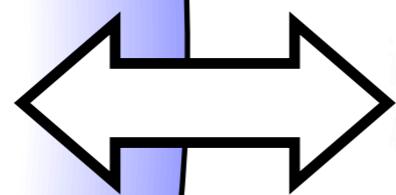
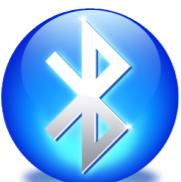
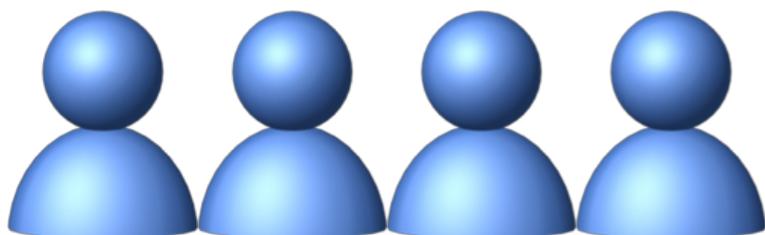
KERNU REEVES DOLPH LUNDGREN

JOHNNY MNEMONIC



10001110

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dealing with
DATA OVERLOAD

Tactic 2:

A New Brain

**MAGIC "BRAIN"
COMES TO AID
OF SCIENCE!**

JVC

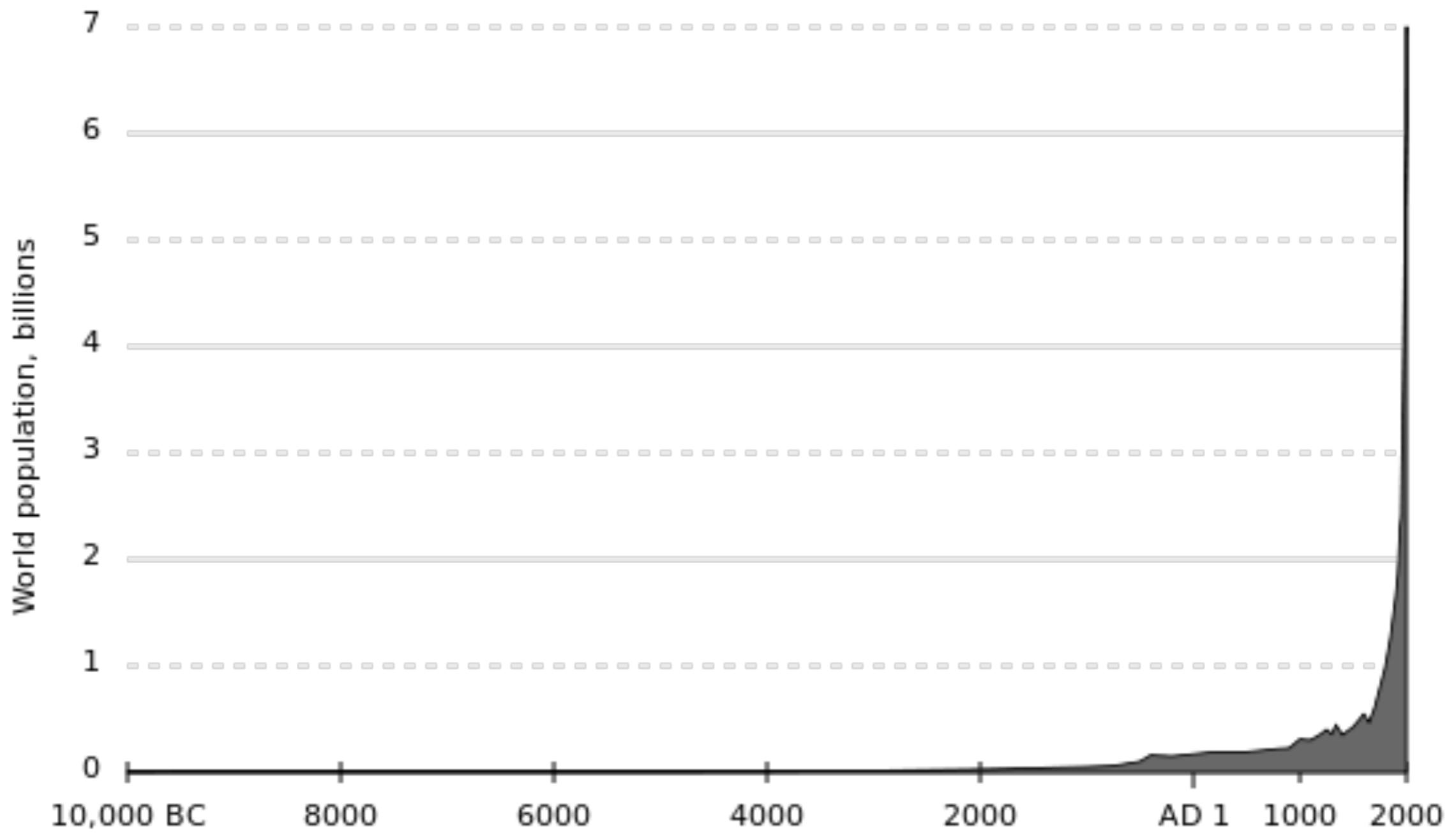
we will create physical systems
that understand all the data we've
accumulated and stored in the
physical world

we **must** create physical systems
that understand all the data we've
accumulated and stored in the
physical world









Global Population since 10,000 BC







we **must** solve
these problems



THINK



BIG

A silhouette photograph of four people standing on the edge of a large, dark, craggy cliff face. They are silhouetted against a bright, warm sunset sky. The cliff drops sharply into a body of water below.

live on
the edge

TEAM REED

003

t h a n k y o u

