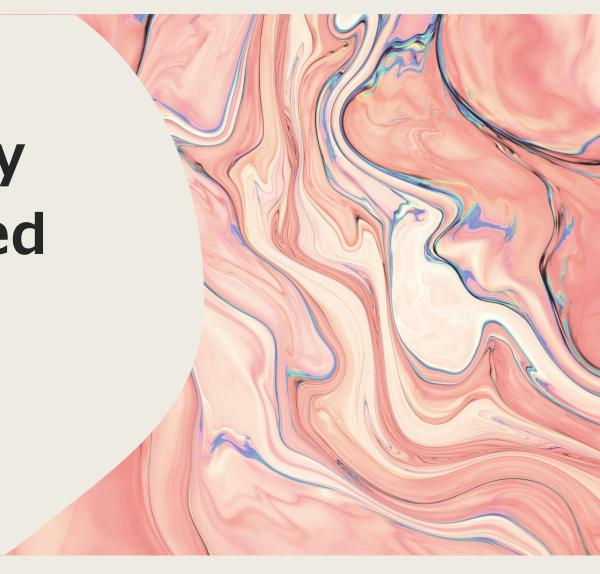
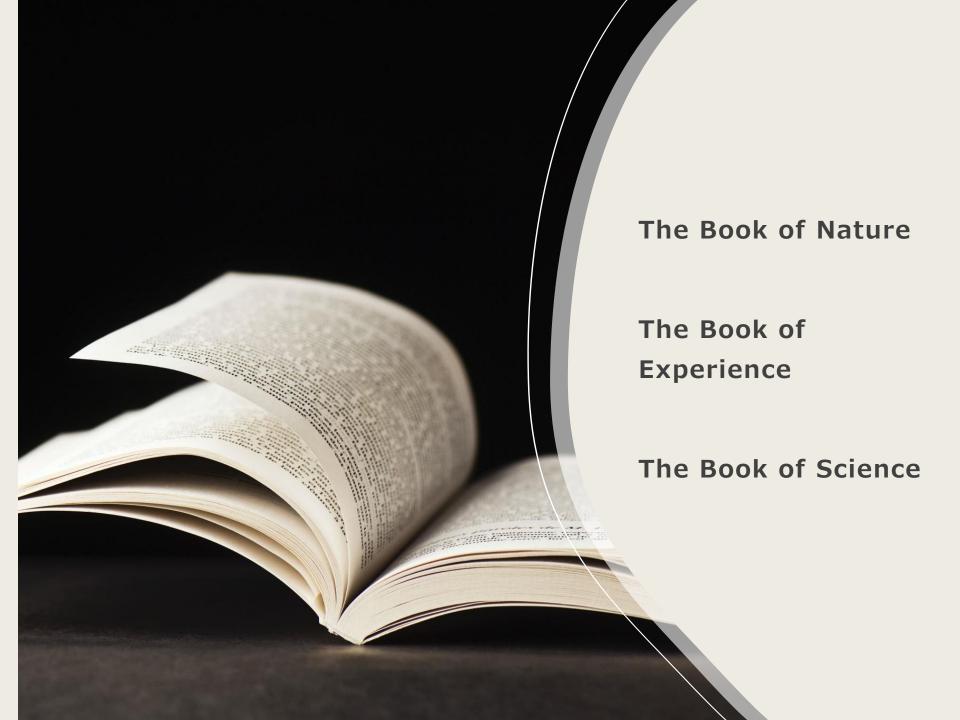


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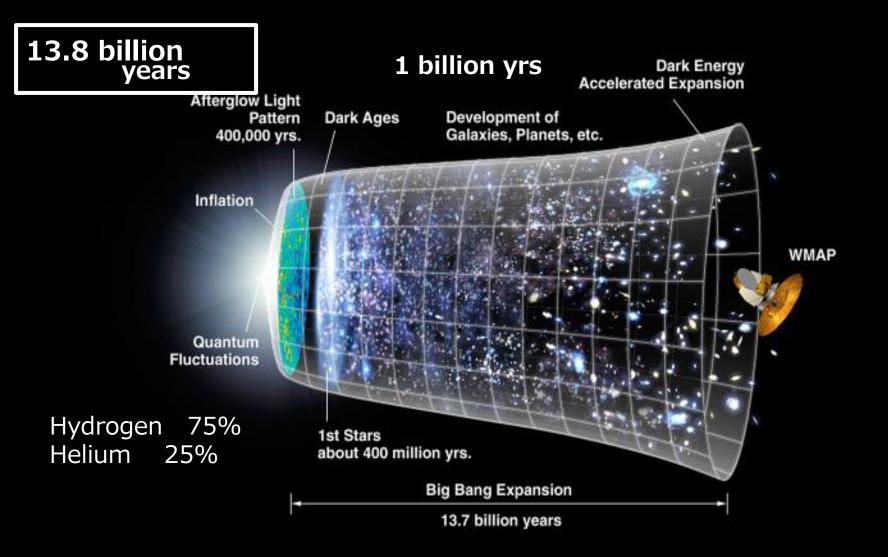
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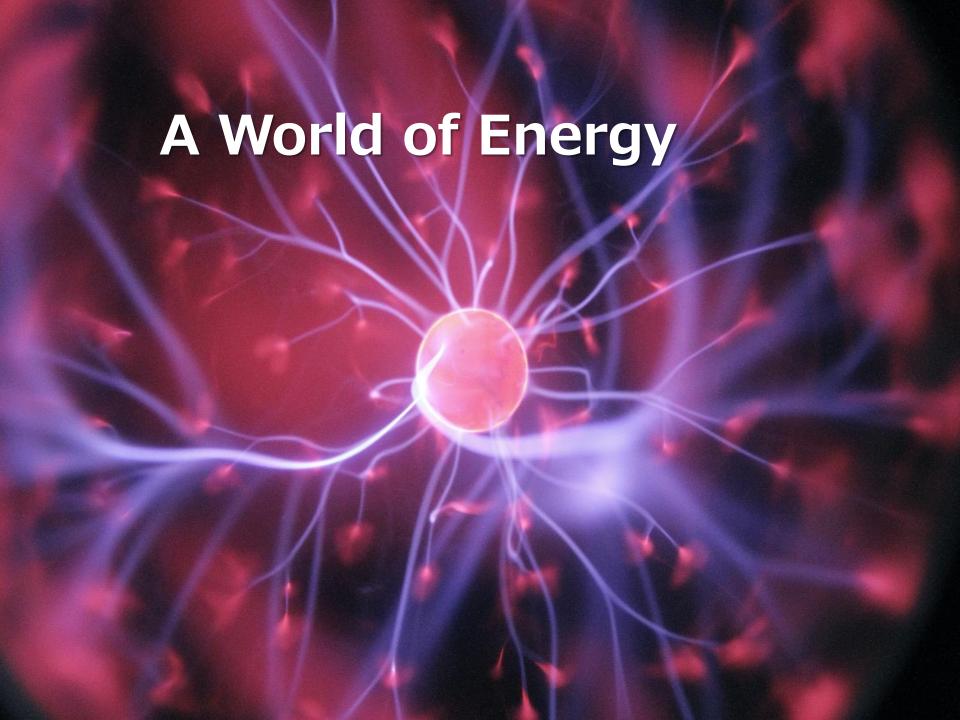






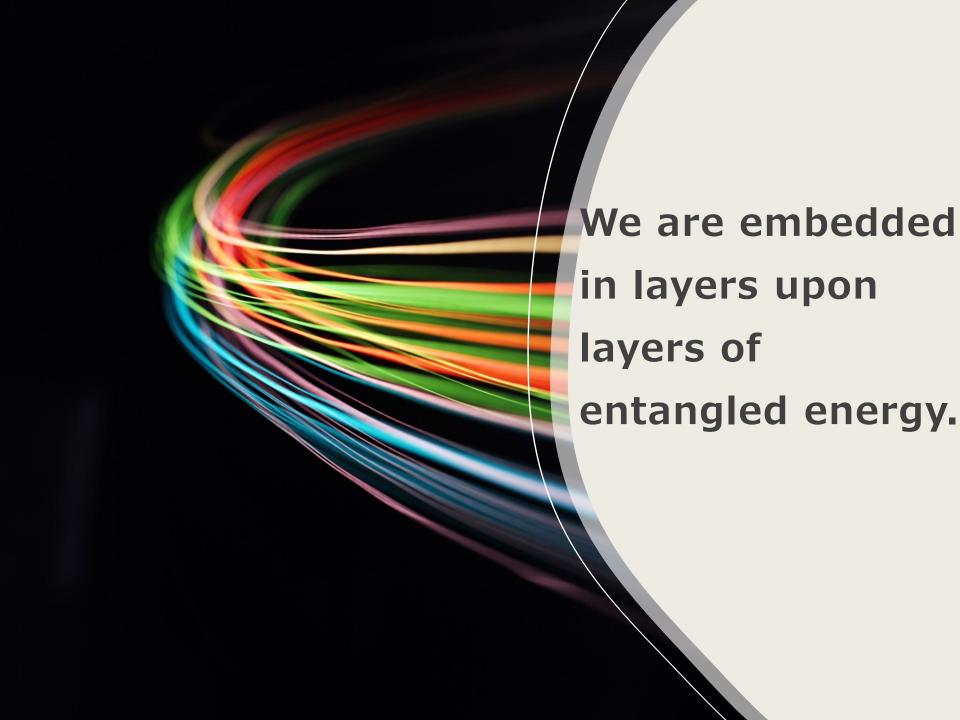
The Hot Big Bang





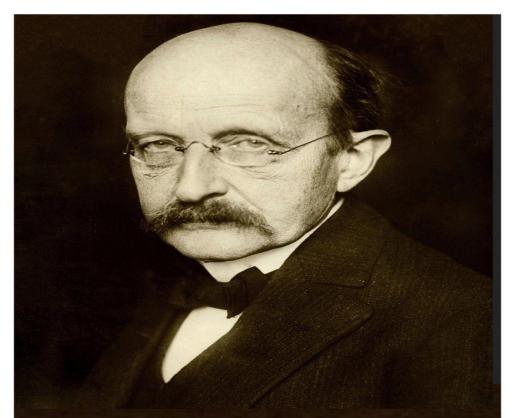
The Quantum Revolution





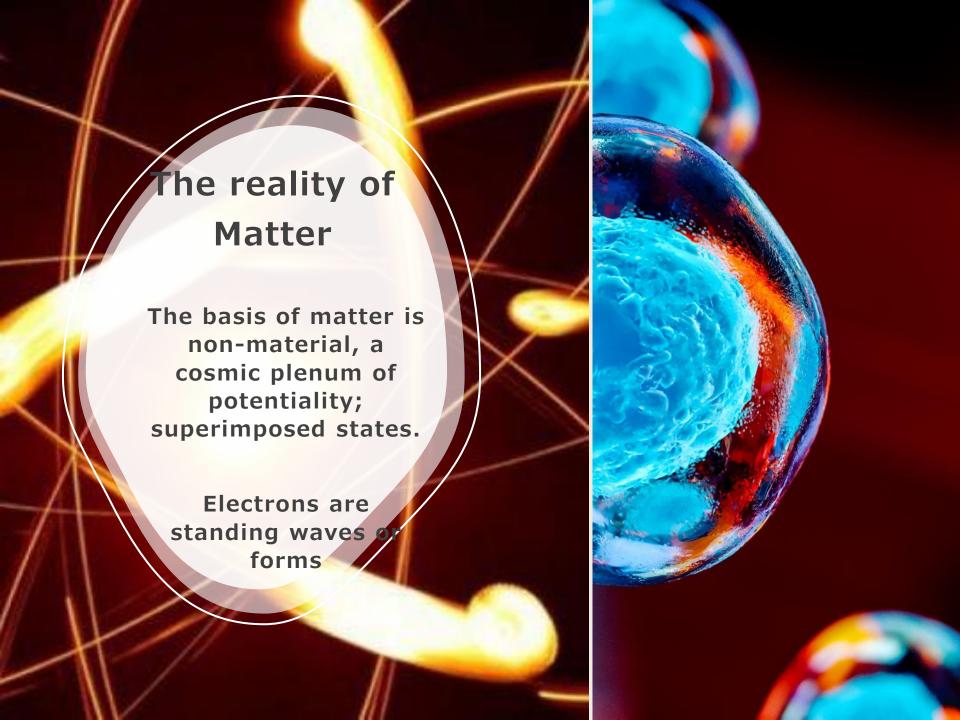
Matter is not what we think it is

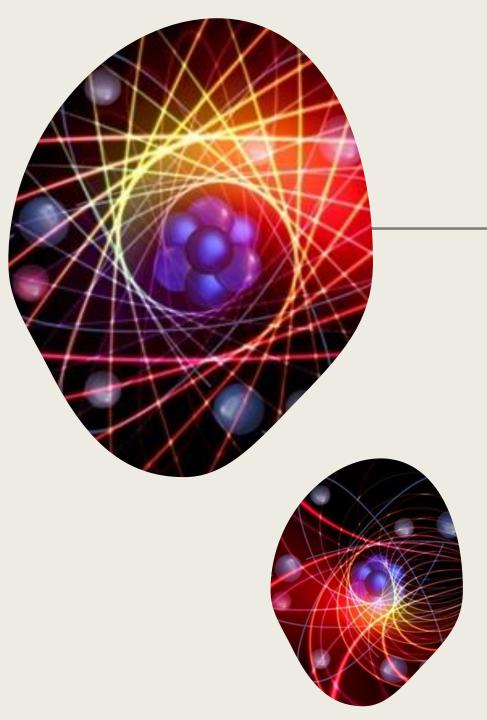
$$\hat{X} = \frac{\sqrt{mu}}{m} \hat{X} \quad \hat{P} = \frac{1}{\sqrt{m}} \hat{P} \quad \hat{P}$$



"As a man who has devoted his whole life to the most clear headed science, to the study of matter, I can tell you as a result of my research about atoms this much: There is no matter as such. All matter originates and exists only by virtue of a force which brings the particle of an atom to vibration and holds this most minute solar system of the atom together. We must assume behind this force the existence of a conscious and intelligent mind. This mind is the matrix of all matter."

~ Max Planck (Father of Quantum Mechanics & Nobel Prize Winner)





Quantum Entanglement

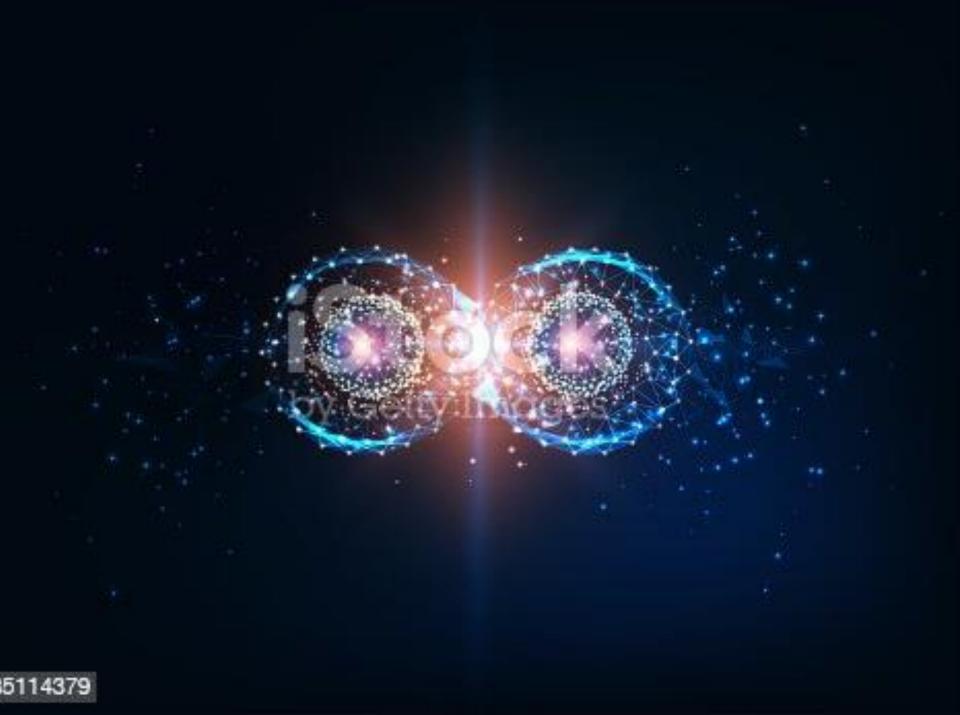
Take two particles whose spins cancel each other out to zero.

Separate particles by distance. If measure particle A as "up" particle B is measured "down."

The measurement on A does not merely reveal an already established state of B: It actually produces that state → entangled.

"Non-local action at a distance"

"Those who fire together wire together"



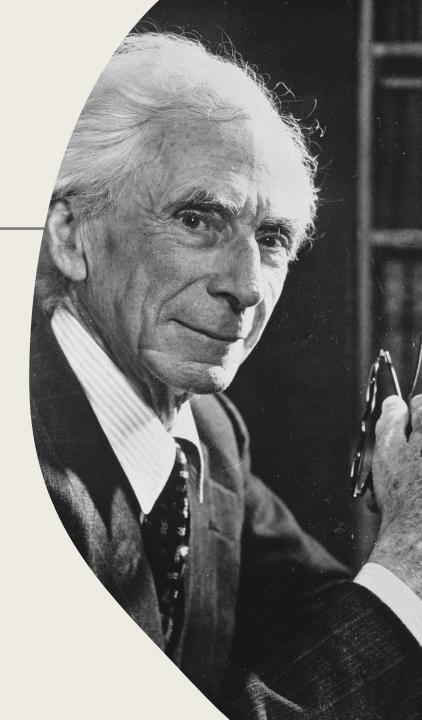


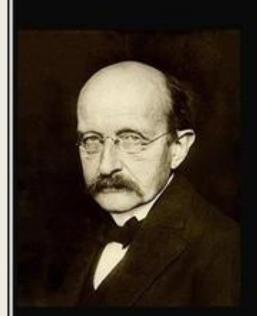
The "Hard Problem" of Matter

"We know nothing about the intrinsic quality of physical events except when these are mental events that we directly experience."

"In having conscious experience, we learn something about the intrinsic nature of physical stuff, for conscious experience is itself a form of physical stuff."

Bertrand Russell

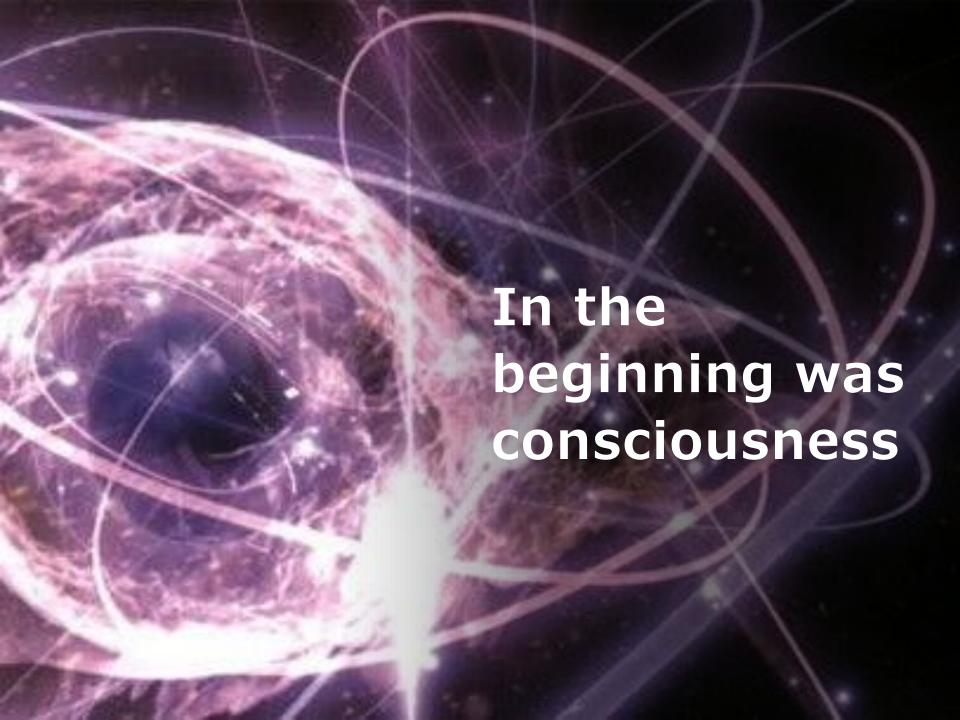




I regard consciousness as fundamental. I regard matter as derivative from consciousness. We cannot get behind consciousness. Everything that we talk about, everything that we regard as existing, postulates consciousness.

(Max Planck)

izquotes.com



What is Consciousness?

"Consciousness is the "wave side" of the wave-particle duality."

Niels Bohr

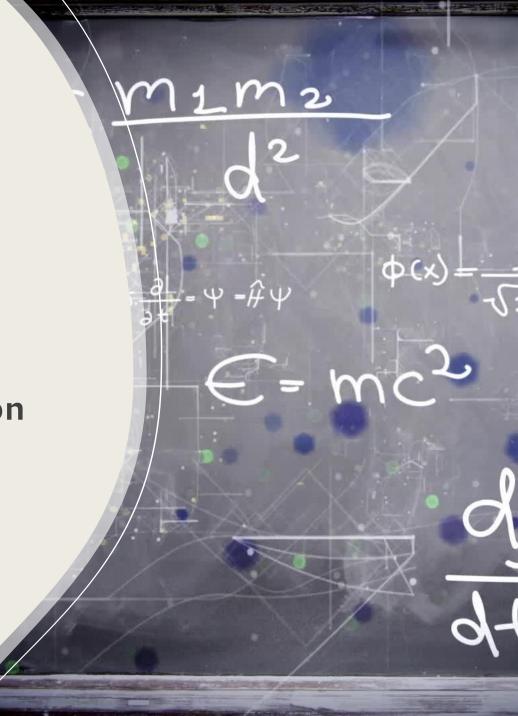
Consciousness is a system of feedback loops, a type of relationality that includes communication and the flow of information.

Michio Kaku

Matter is the matrix of consciousness

Consciousness born of matter is always advancing in the direction of spirit.

Teilhard de Chardin

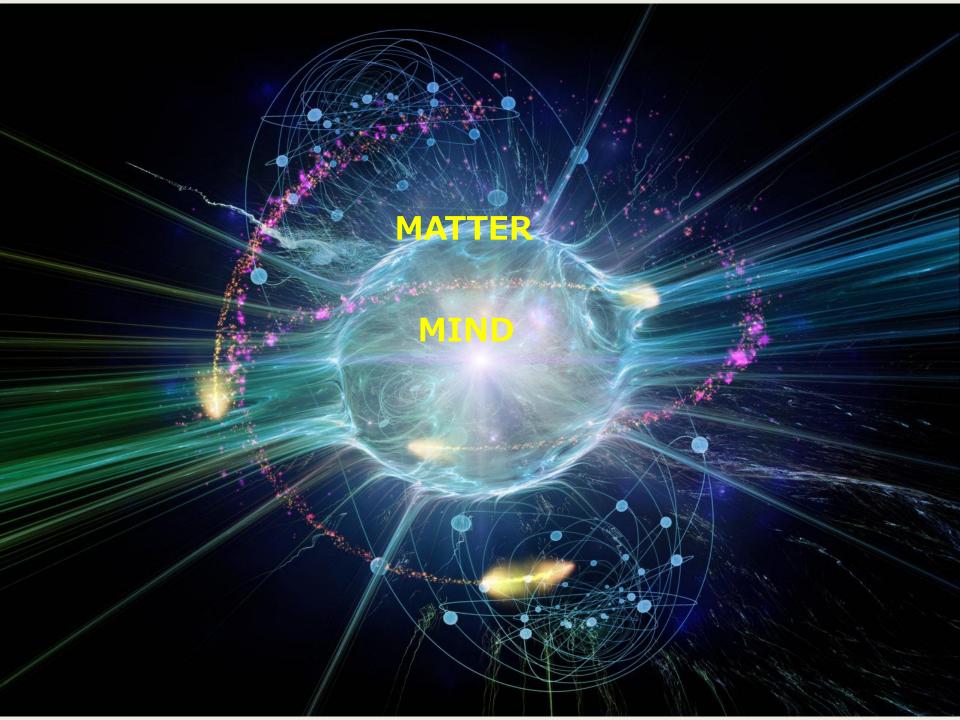


The subjectivity of consciousness is an irreducible feature of reality, and it must occupy as fundamental a place in any credible world view as matter, energy, space, time and numbers.

Thomas Nagel

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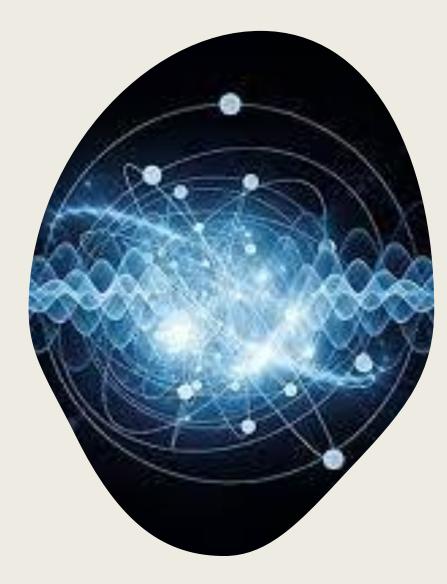




Matter is like a mirror. The great paradox of matter is not that it is "being" but that it is "non-being"

Matter reflects what is put into it

When we look into the depths of matter, we find that our vision plunges us into "the infinite that lies beyond us."

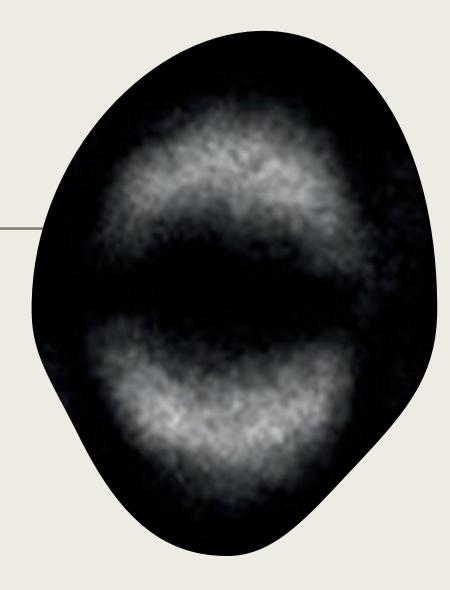


The being *in* matter is the being *of* matter.

That which makes matter a mirror is something of the mind reflected in the mirror.

The mirror image of matter and the mirrored image of the one who sees are the same.

The mirror of matter gives itself to the one who looks at it and whom it mirrors.



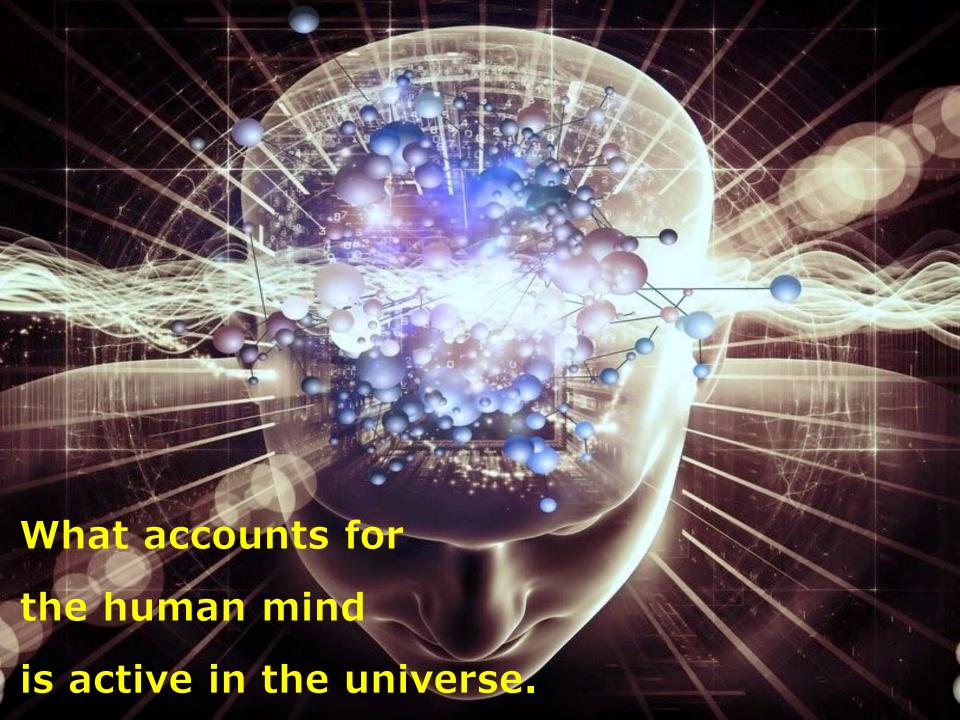
The mirror image does not only come from its "other," receiving its being from the "other"

it also directs itself to its "other" and is what it is *for* its other.

Without the "other" whom it mirrors, matter would virtually cease to exist.

Matter does not separate us from the world of essences; it is only by working our way through matter that our minds can expand to the God-dimensions of the universe.





Implicate Order



Space is not empty. It is full, a plenum as opposed to a vacuum, and is the ground for the existence of everything, including ourselves. The universe is not separate from this cosmic sea of energy.

— David Bohm —

AZ QUOTES

David
Bohm's
Implicate
Order

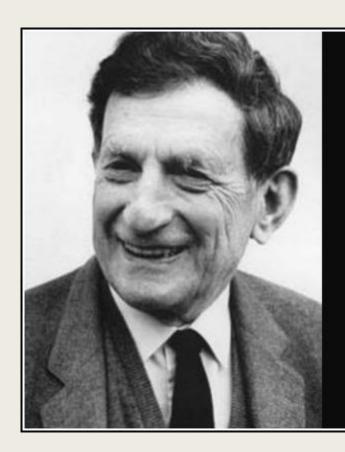
The notion of reality as a whole should be such as to allow for an understanding of how reality and consciousness are related.

- "At each level of subtlety there will be a "mental pole" and a "physical pole". . .
- But the deeper reality is something beyond either mind or matter, both of which are only aspects that serve as terms for analysis" – a WHOLE

"Ultimately, the entire universe
(with all its 'particles', including
those constituting human beings,
their laboratories, observing
instruments, etc.) has to be understood as a single undivided whole,
in which analysis into separately
and independently existent parts
has no fundamental status."

- David Bohm





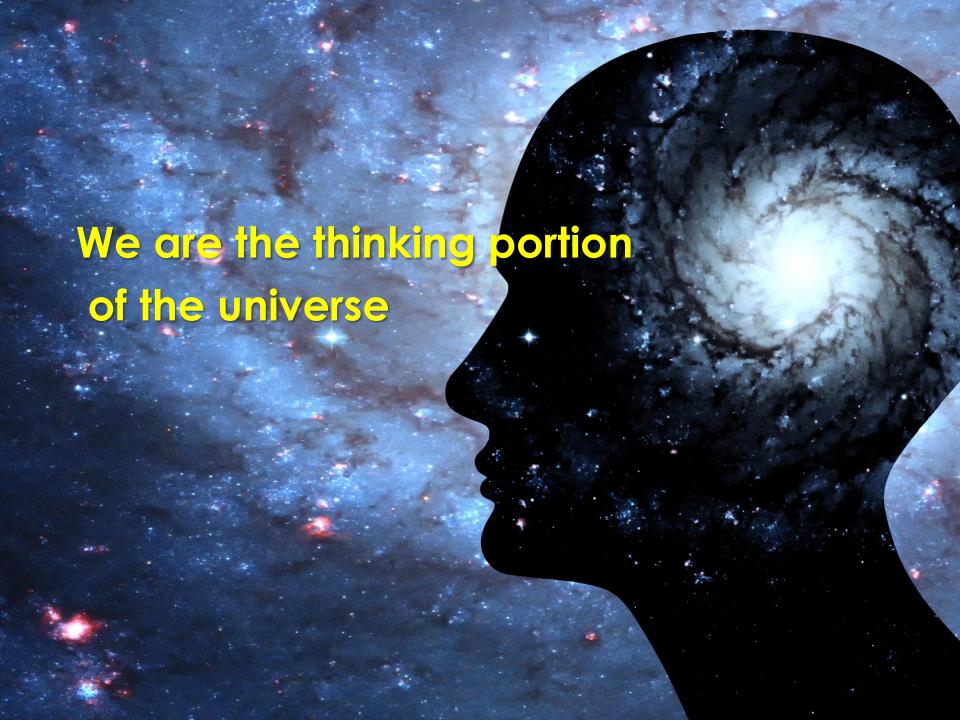
Consciousness is much more of the implicate order than is matter... Yet at a deeper level [matter and consciousness] are actually inseparable and interwoven, just as in the computer game the player and the screen are united by participation.

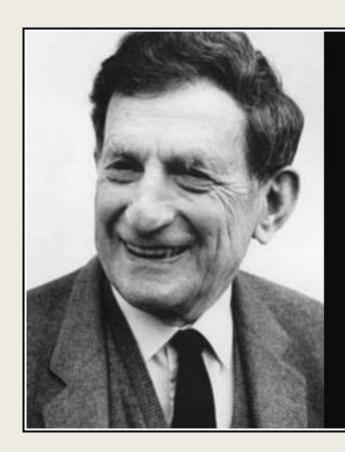
— David Bohm —

AZ QUOTES

In some sense man is a microcosm of the universe; therefore what man is, is a clue to the universe. We are enfolded in the universe.

--- David Bohm





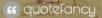
Deep down the consciousness of mankind is one. This is a virtual certainty because even in the vacuum matter is one; and if we don't see this, it's because we are blinding ourselves to it.

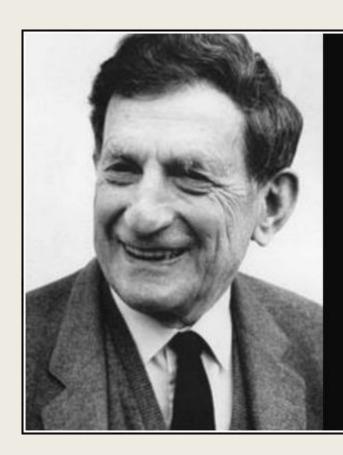
— David Bohm —

AZ QUOTES

We are all linked by a fabric of unseen connections. This fabric is constantly changing and evolving. This field is directly structured and influenced by our behavior and by our understanding.

David Bohm





Ultimately, the entire universe...has to be understood as a single undivided whole.

— David Bohm —

AZ QUOTES

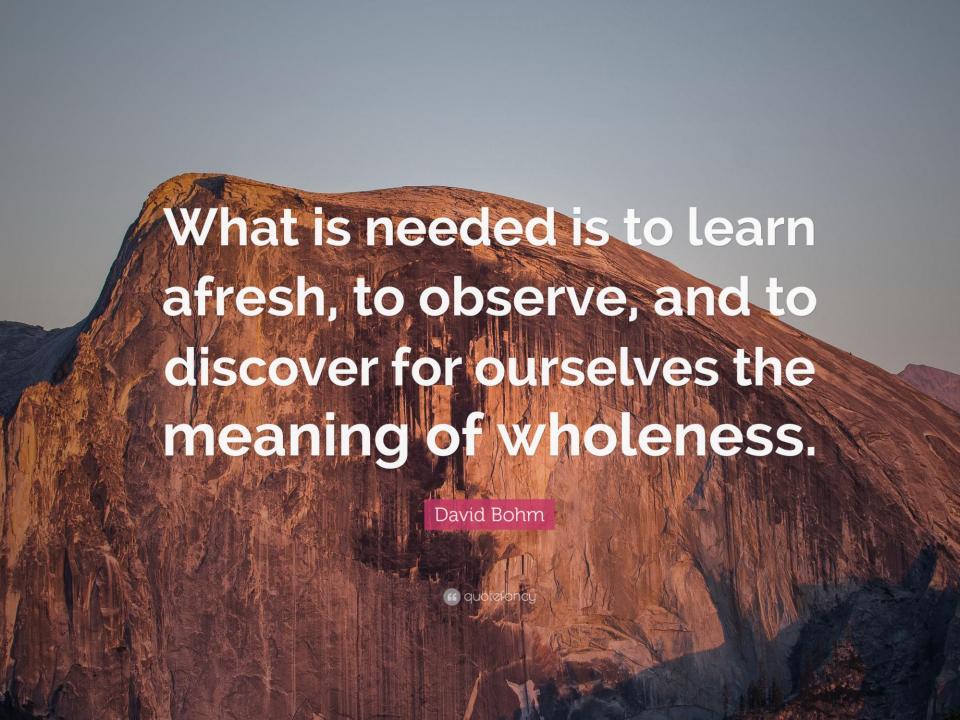
As human beings and societies we seem separate,

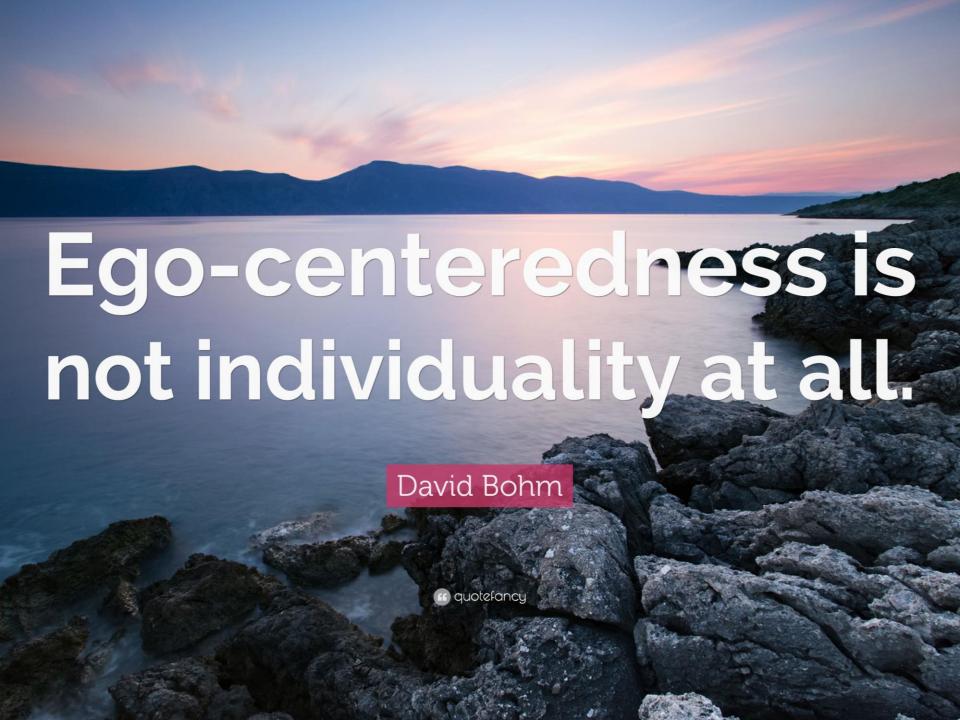
but in our roots
we are part
of an indivisible whole
and share in the same
cosmic process.

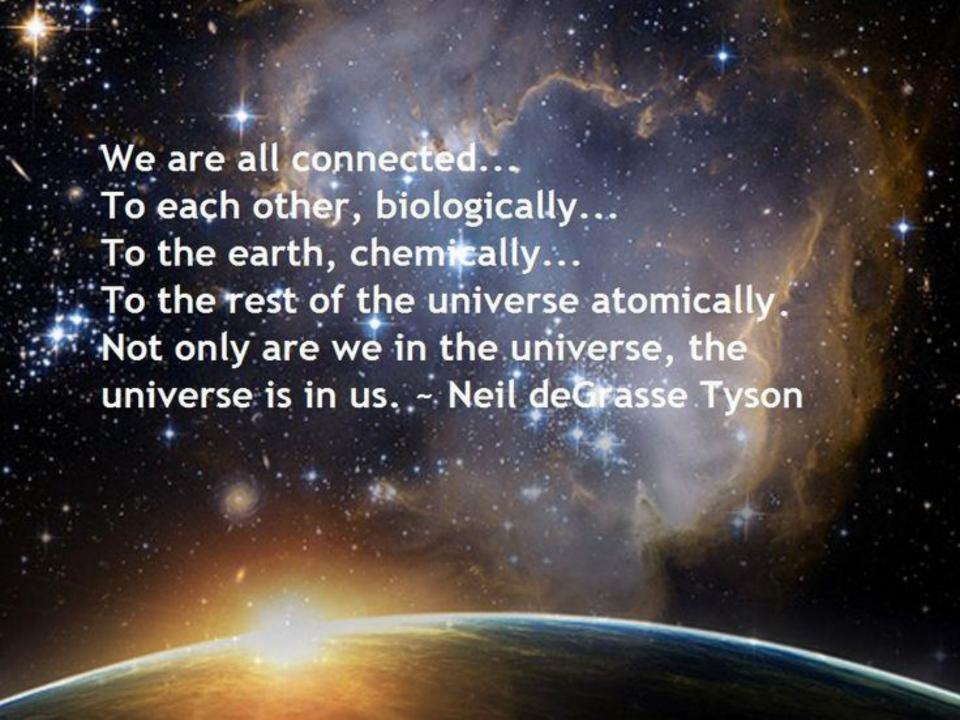
David Bohm





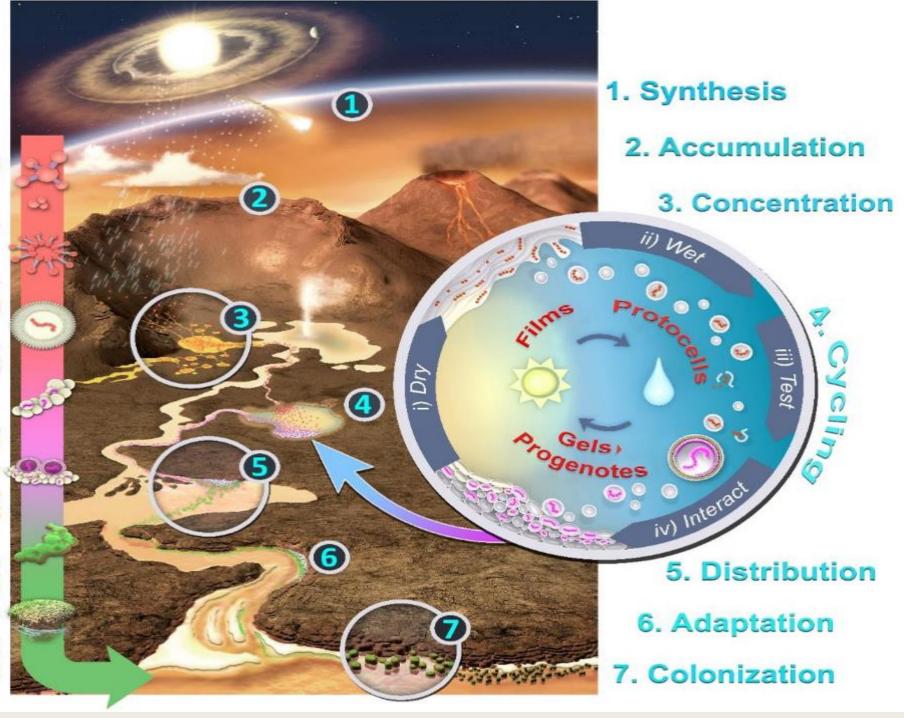




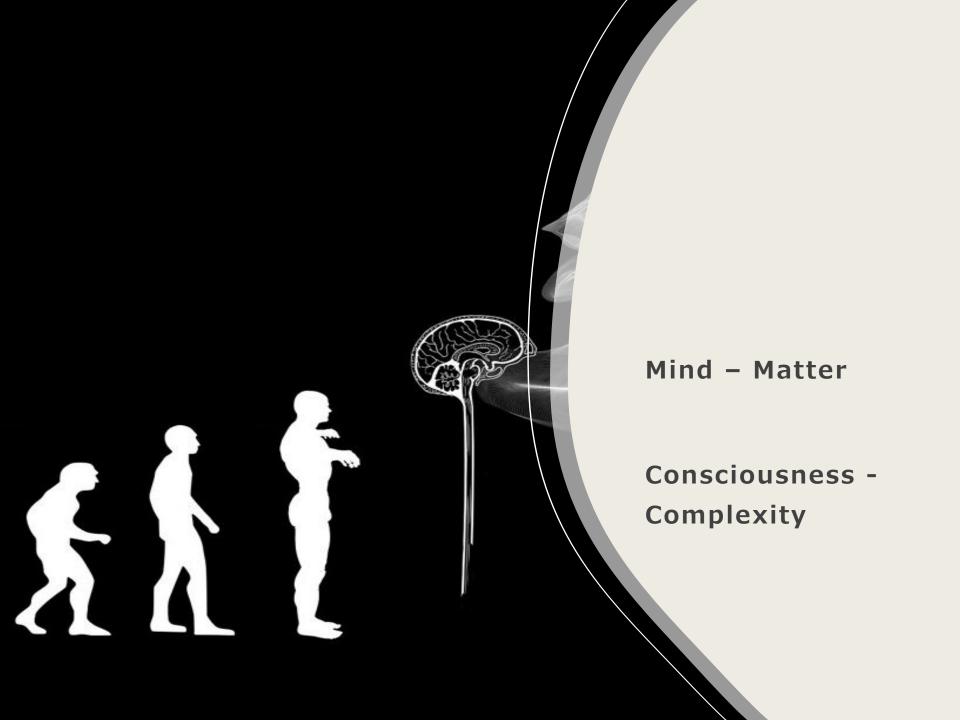


The Whole is in Movement











Sri Aurobindo



Human evolution

We are unfinished

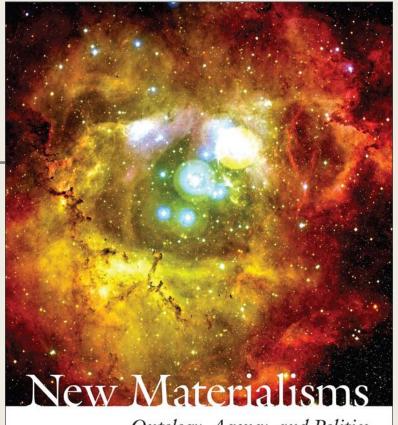
We are being created and are creating

Life emerges toward newness/future

An irreversibility of time

Life evolves by creative power





Ontology, Agency, and Politics

EDITED BY DIANA COOLE AND SAMANTHA FROST

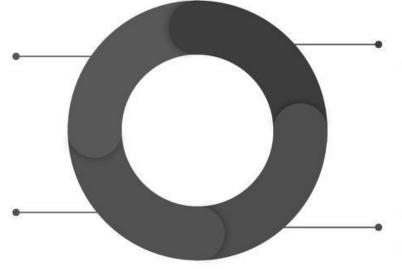


Rhizomic subjectivity

A trans-personal capacity distinct from any universalism, grounded in the radical immanence of a sense of belonging to and being accountable for a community, a people, a territory.

The Meaning of Agential Realism

Meaning and agency emerge from intra-actions



Continually entangled and reconfiguring reality and possibility

We are ethically responsible because our intra-actions have significant impacts

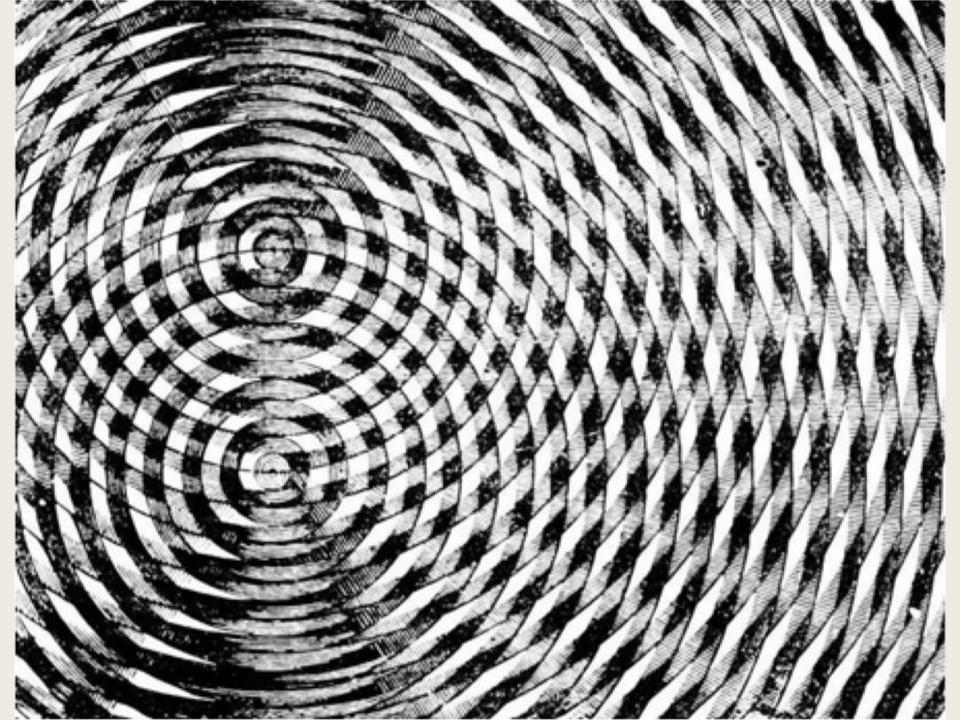
Because we are entangled, we are accountable for the performativity of reality



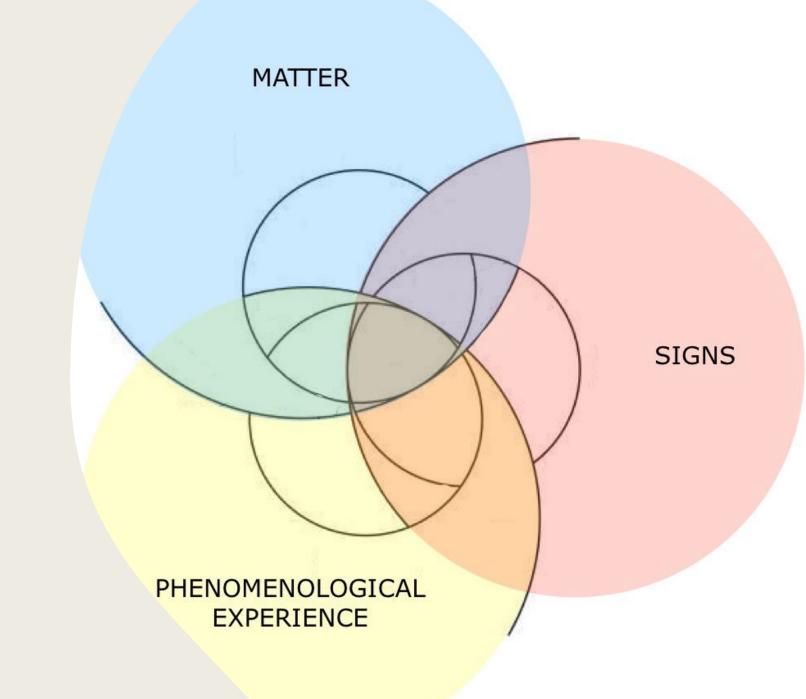
Intra-action

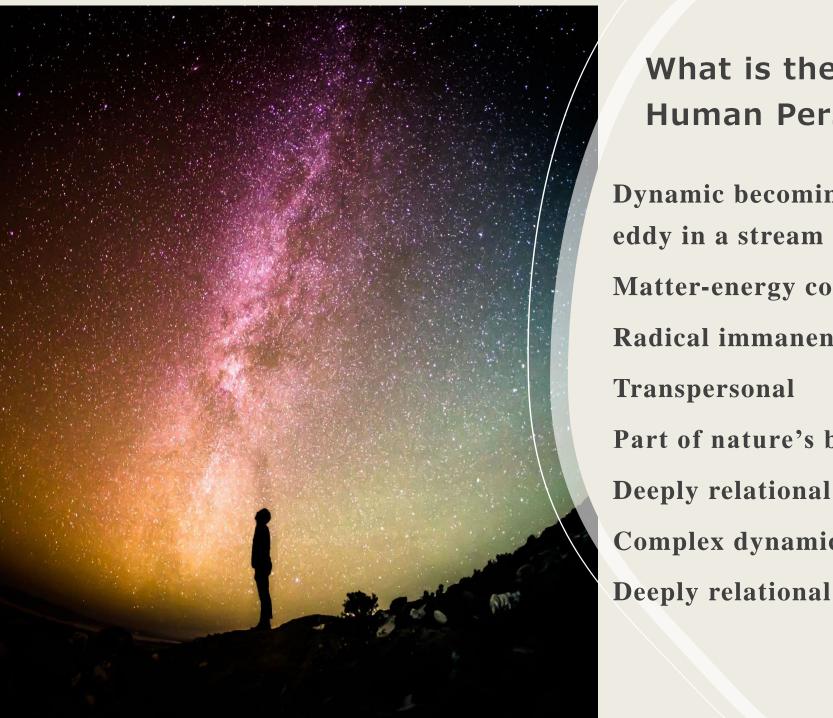
"There is no 'between' as such, human and nonhuman organisms and machines emerge only through their mutual co-constitution."

Karen Barad



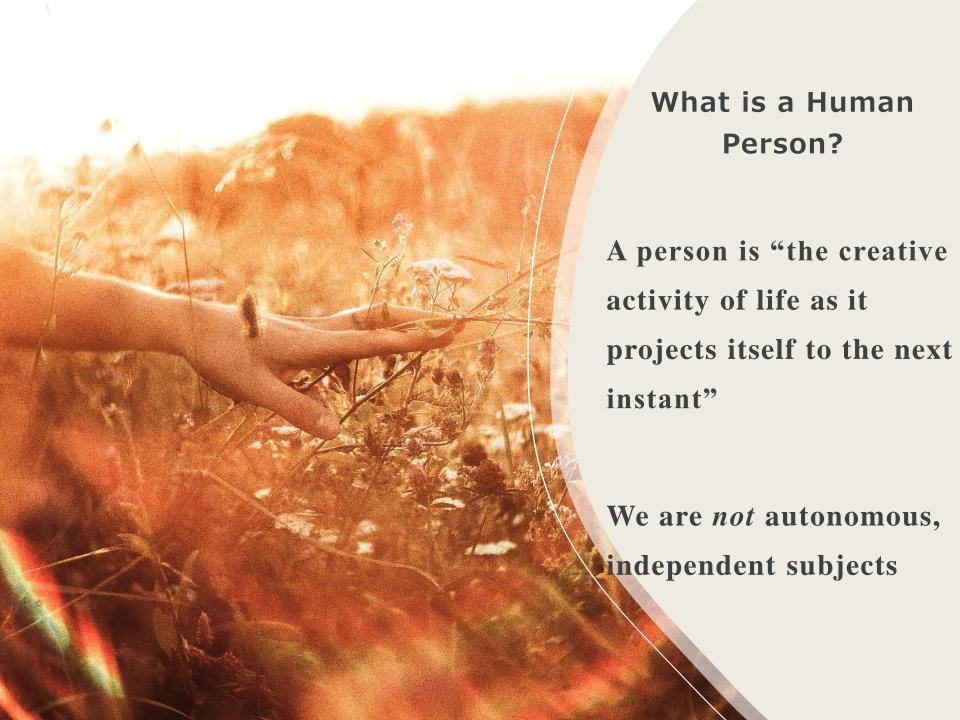
"Meeting each moment, being alive to the possibilities of becoming, is an ethical call, an invitation that is written into the very matter of all being and becoming. We need to meet the universe halfway, to take responsibility for the role that we play in the world's differential becoming."

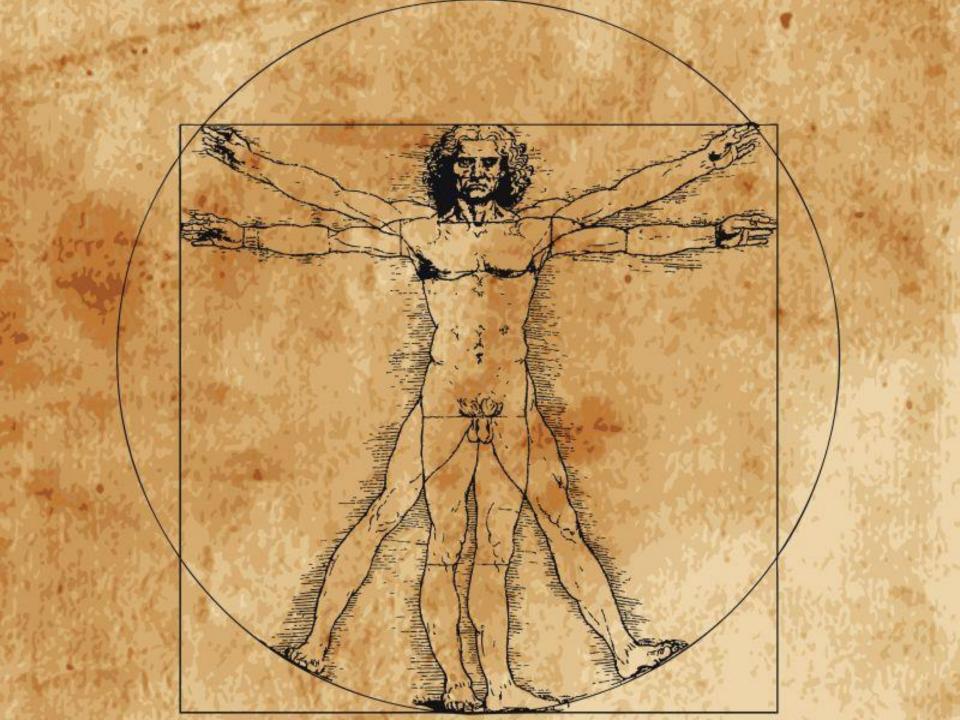




What is the **Human Person?**

Dynamic becoming, like an eddy in a stream **Matter-energy complex** Radical immanence **Transpersonal** Part of nature's becoming **Deeply relational** Complex dynamical system





"Slowly we are beginning to discover that there is ultimately no separation within the field of existence—we belong deeply to this world, and to each other."



Religion and Evolution

Pre axial

Axial Period

Second Axial

Tribal

Mythic

Ritualistic

Communal community

autonomy

transcendence

freedom

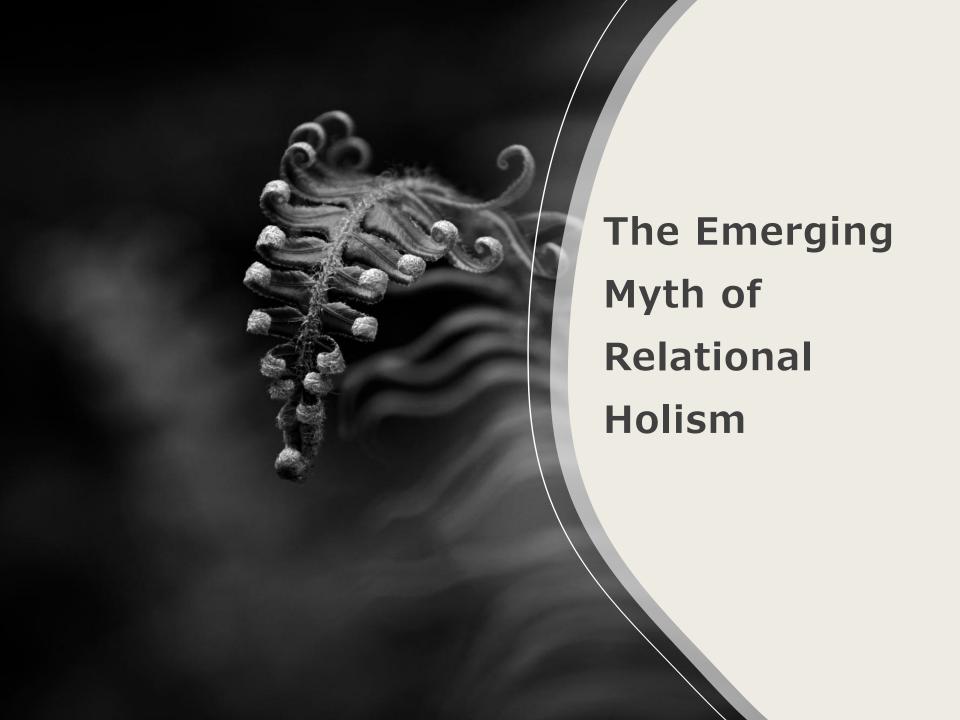
person

relatedness

immanence

ecological

global



(HOLISM IS) THE TENDENCY IN NATURE TO FORM WHOLES THAT ARE GREATER THAN THE SUM OF THE PARTS THROUGH CREATIVE EVOLUTION...

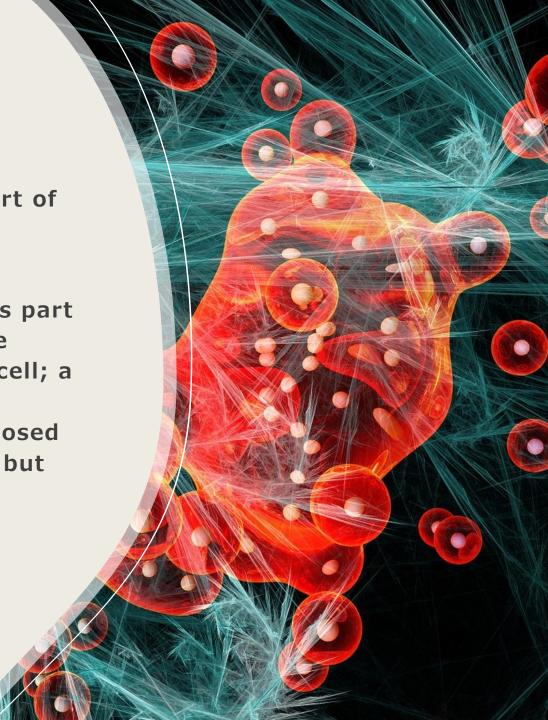
- JAN SMUTS -

HOLONS

A *holon* is a whole that is part of other wholes.

For example, a whole atom is part of a whole molecule; a whole molecule of part of a whole cell; a whole cell is part of a whole organism. . . Reality is composed of neither wholes nor parts, but of whole/parts, or holons.

Ken Wilbur



HOLISTIC WORLD VIEW

World is an integrated whole rather than parts.

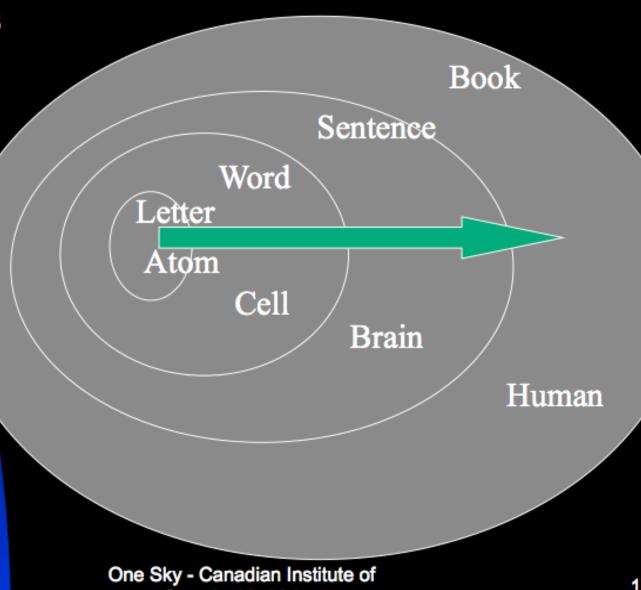
Phenomena are fundamentally interconnected and interdependent.

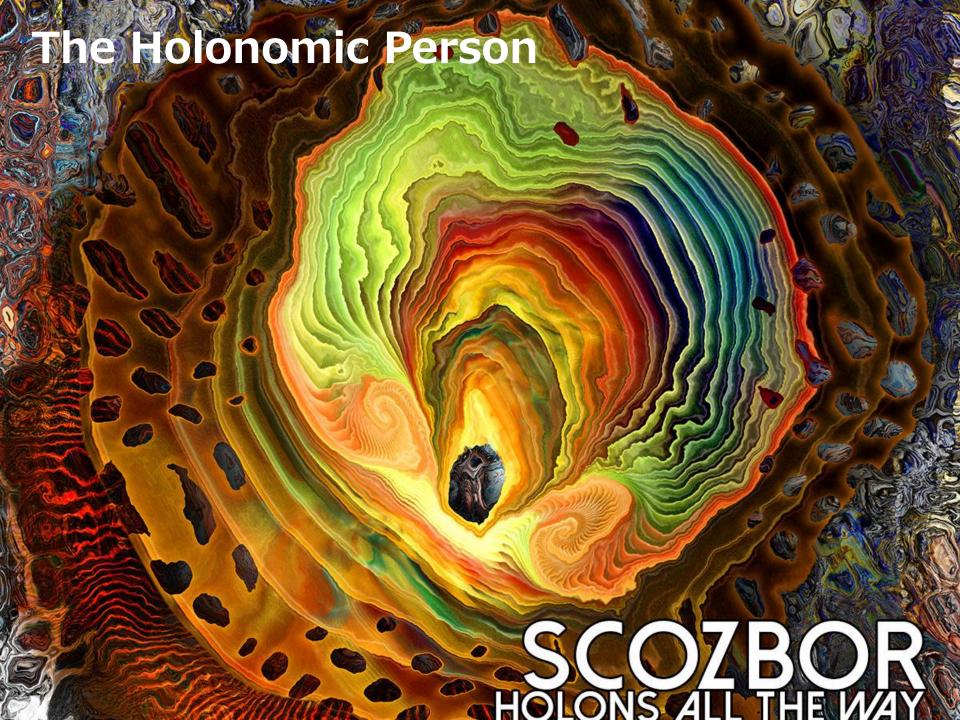
Recognizes intrinsic value of all living beings and views humans as one particular strand in the web of life.

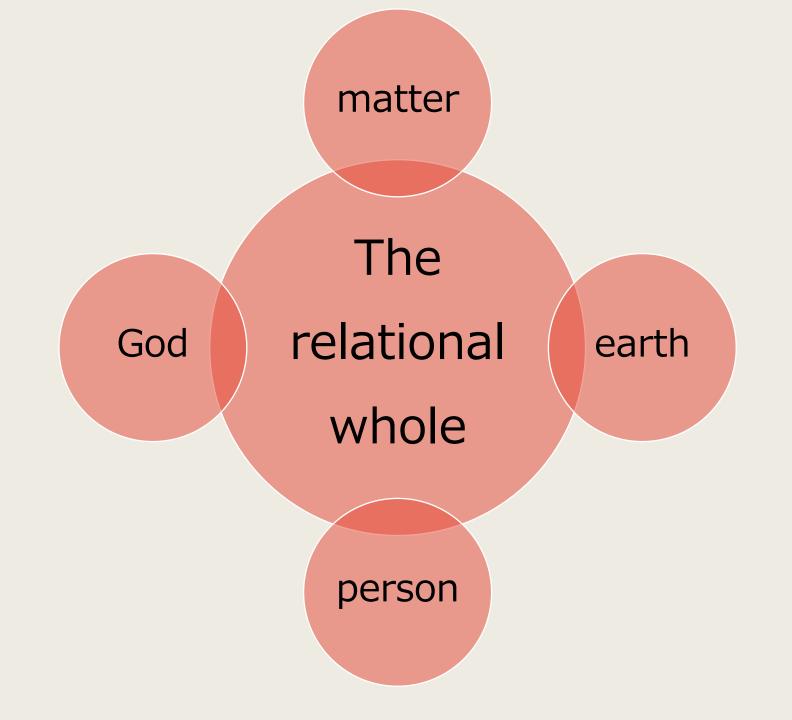
A "holon" describes the relationship between a part and a whole

Higher Order means an increase in the complexity

Higher orders depend on lower orders.







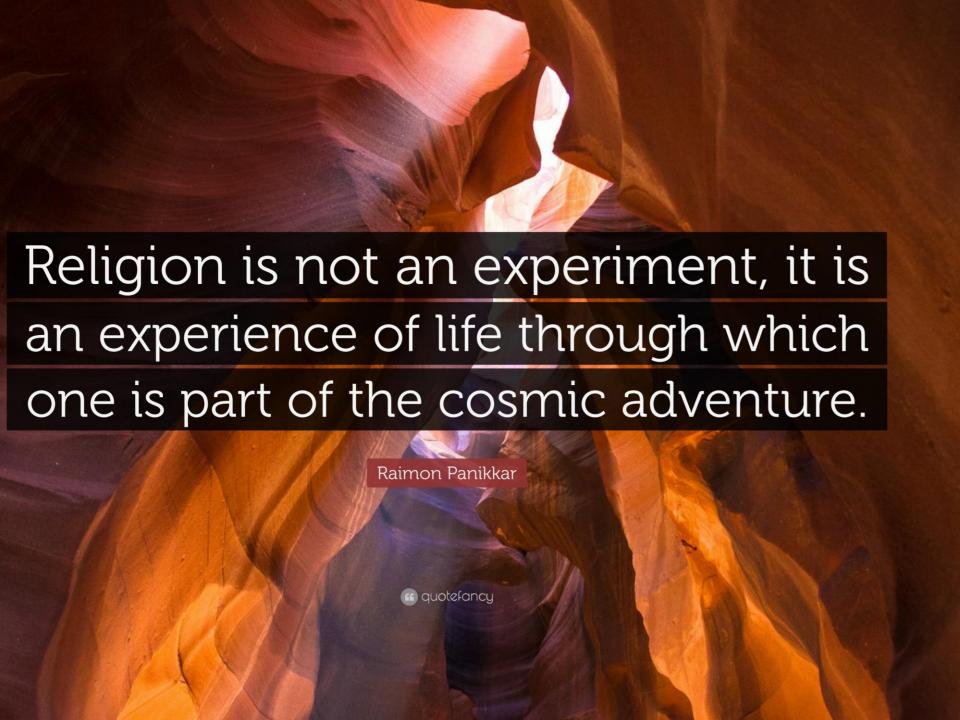
Religion is concerned with the depth dimension of nature, the place of ultimate concern.

The sacred ordering of nature is an ongoing process – religious meanings do not disappear; they change and new forms of treating nature as sacred are generated.

Spirituality does not contradict science or empirical reality, but rather proposes what that reality can become.

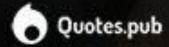
Secular society and contemporary science came into being not by breaking with religious thought but through transformations of the sacred.

The function of religion is to create stories of mythic depth.



Discourse about God is radically different from every I other discourse on every other subject because God is not an object. Were God to be spoken of as object, God would become nothing more than an idol.

-Raimon Panikkar



God is so great that the greatness precludes existence.

Raimon Panikkar



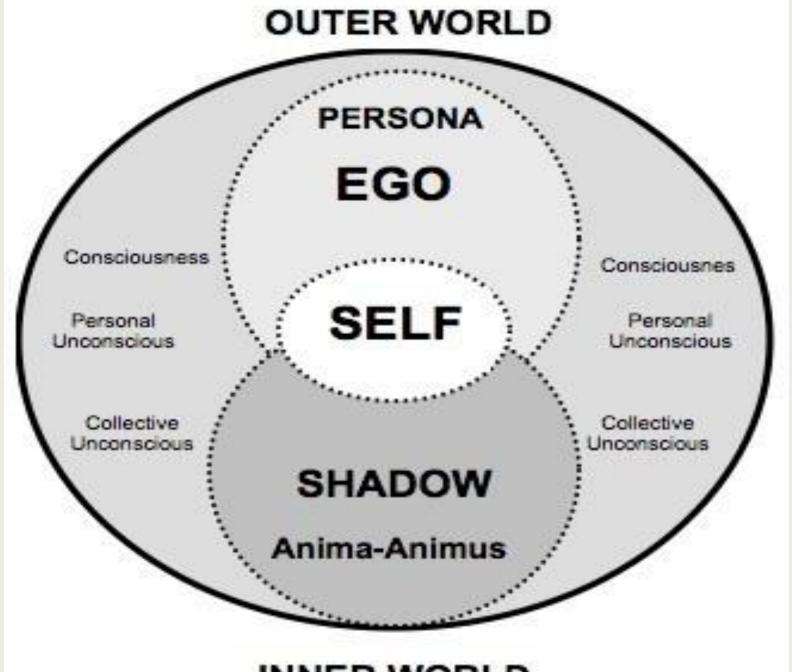


The name of this infinite and inexhaustible depth and ground of all being is God.

Paul Tillich



1. The consciousness that created the universe dwells within us. 2. We exist in the energy web and are one with it. 3. Consciousness weaves and directs energy. 4. Everything exists for us as a possibility.

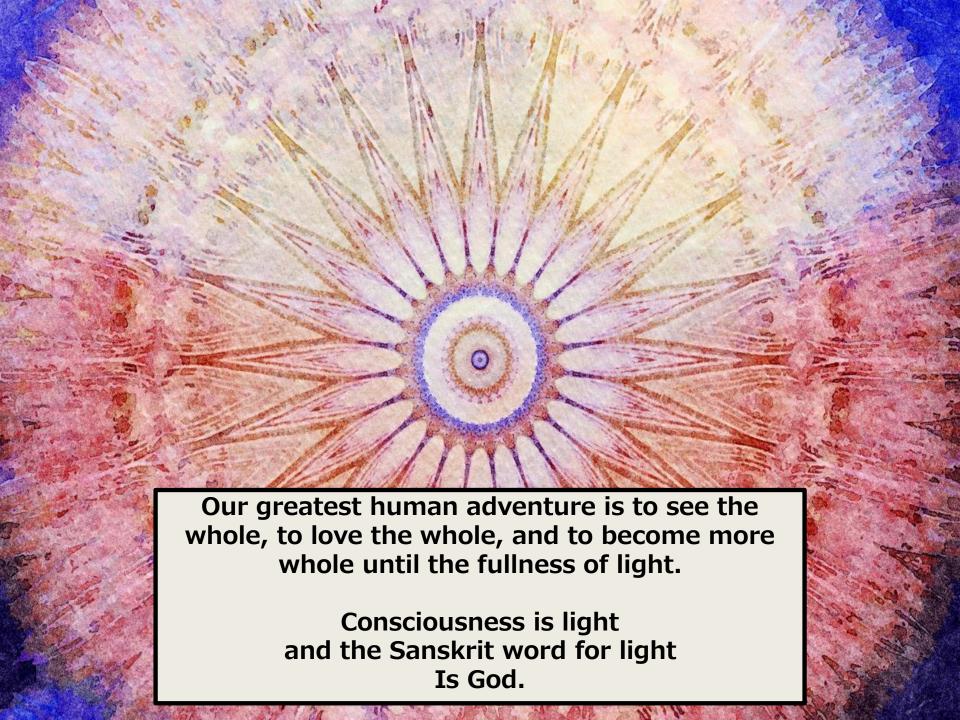


INNER WORLD

The Eye with which I see God

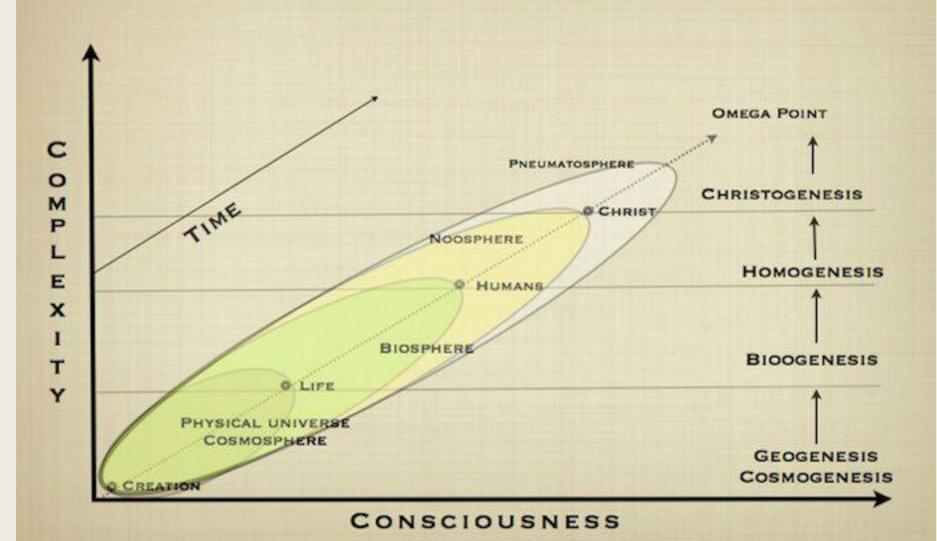


Is the Same Eye with which God sees Me





TEILHARD'S PERSPECTIVE





Our duty, as man and women, is to proceed as if limits to our ability did not exist. We are collaborators in creation.

~ Pierre Teilhard de Chardin

