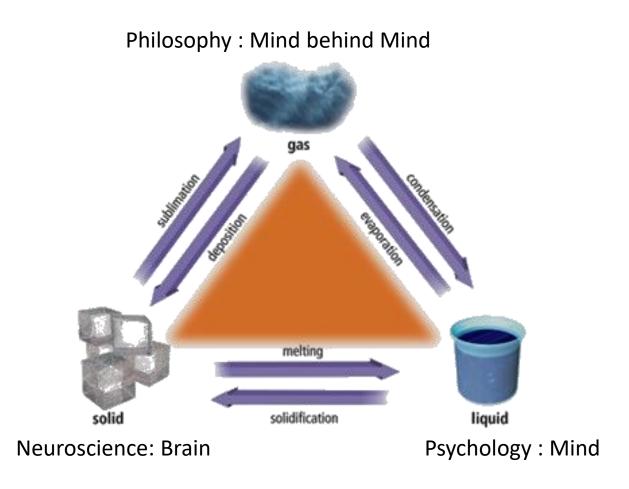
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The Highest Level of Cerebral Activity I

2 The Highest Level of Cerebral Activity I

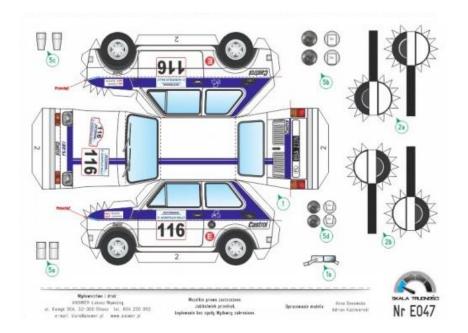




PS Deb

3 The Highest Level of Cerebral Activity I

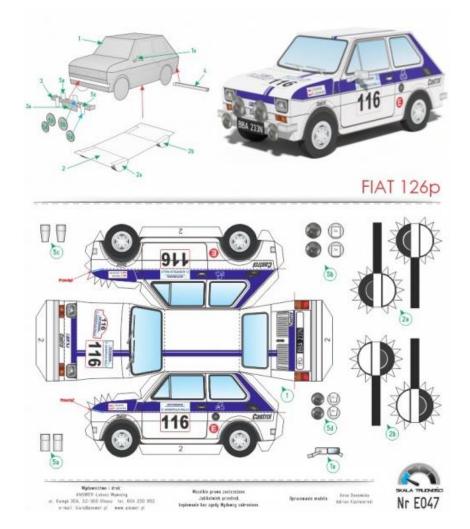
http://www.slideshare.net/drpsdeb/presentations



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4 The Highest Level of Cerebral Activity I

https://www.betexa.cz/fiat-126p-acropolis-rally

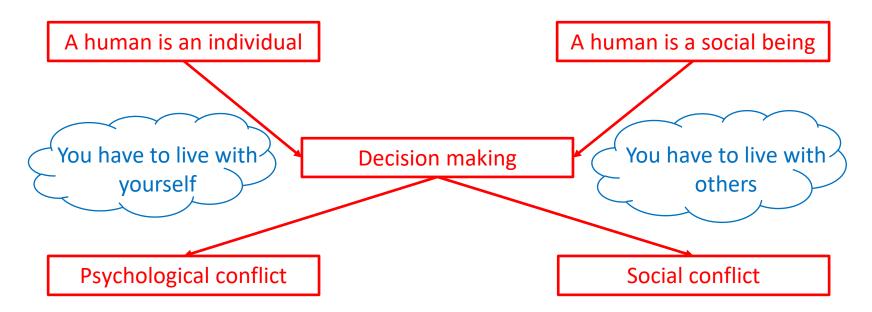


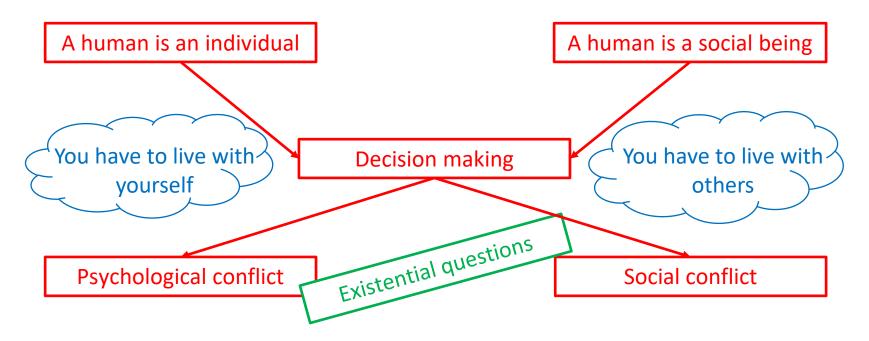
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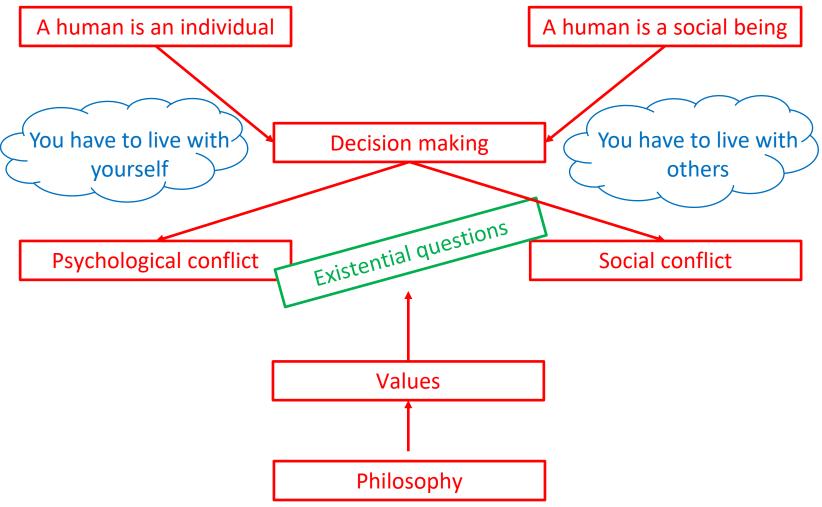


https://www.betexa.cz/fiat-126p-acropolis-rally









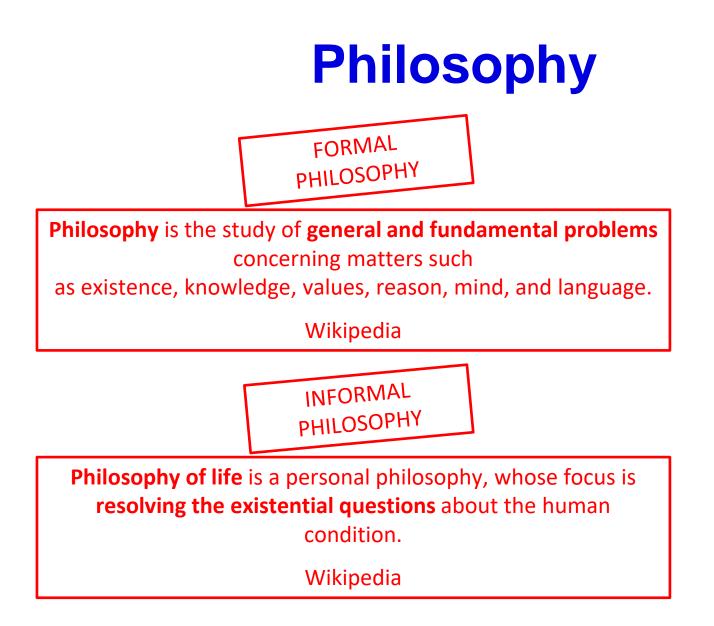
Philosophy

Philosophy of life is a personal philosophy, whose focus is resolving the existential questions about the human condition.

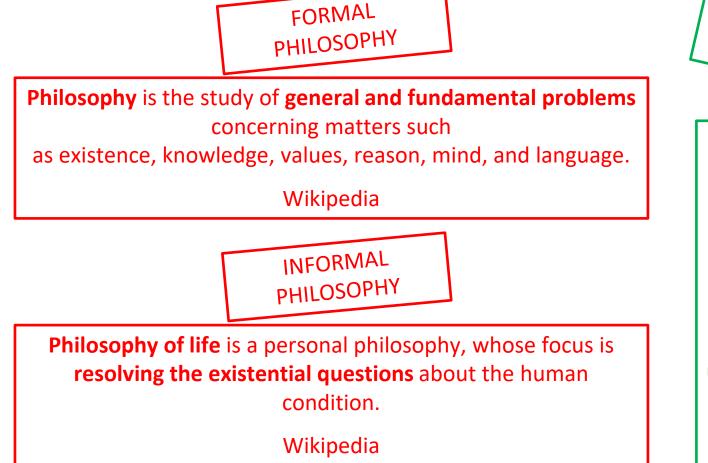
Wikipedia

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Philosophy

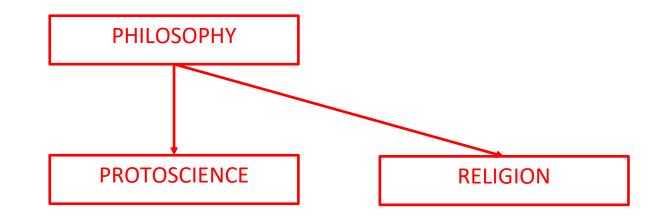


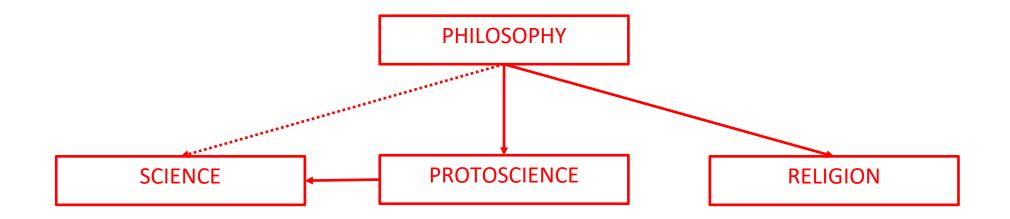
Collective consciousness or collective conscio us is the set of shared beliefs, ideas and moral attitudes which operate as a unifying force within society.

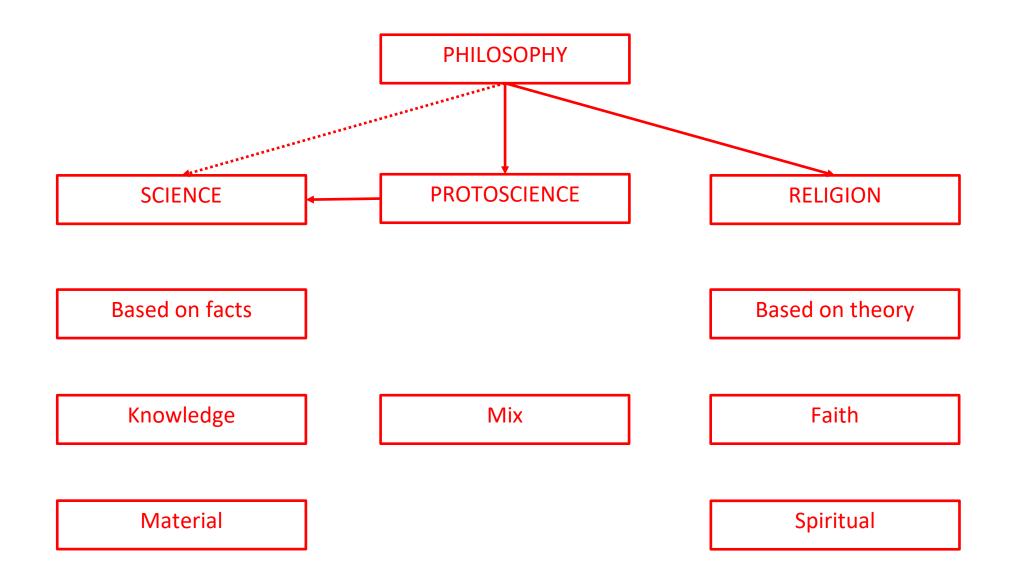
COLLECTIVE

CONSCIOUSNESS

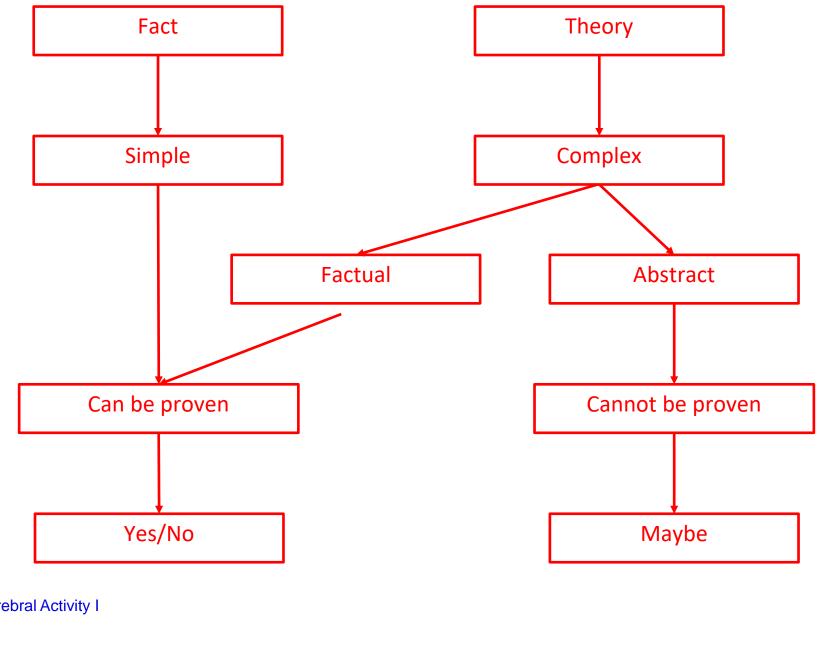
Wikipedia







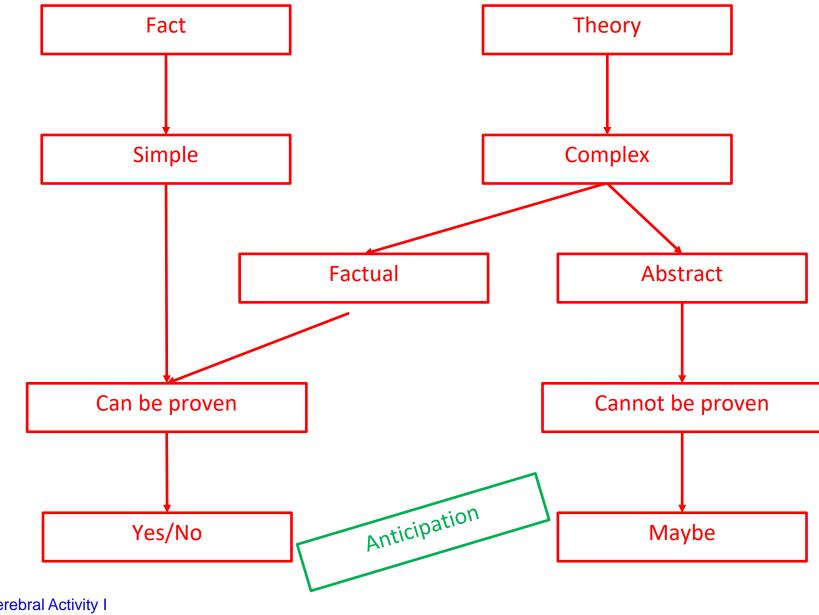




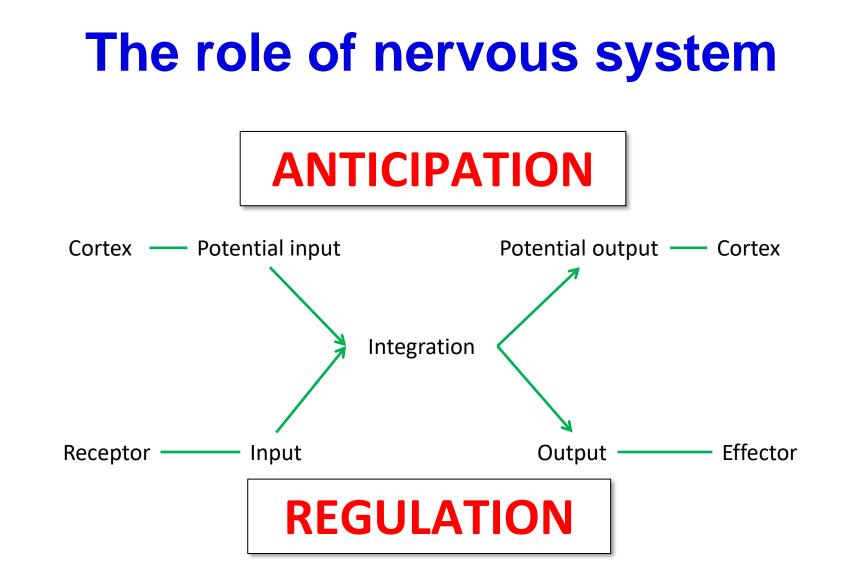
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17 The Highest Level of Cerebral Activity I

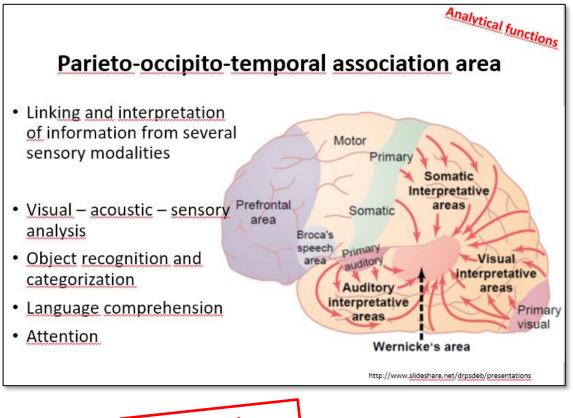


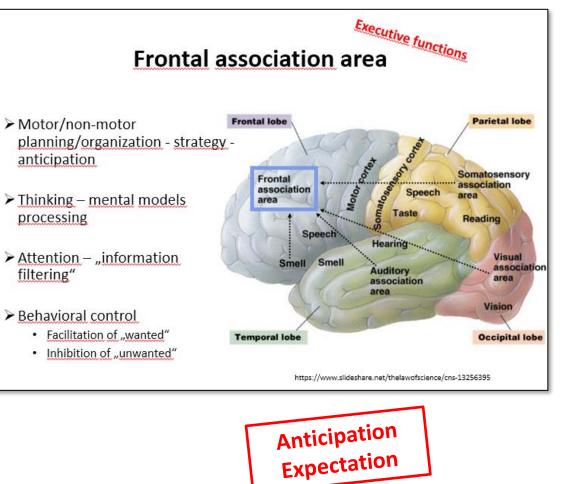
18 The Highest Level of Cerebral Activity I



19 The Highest Level of Cerebral Activity I

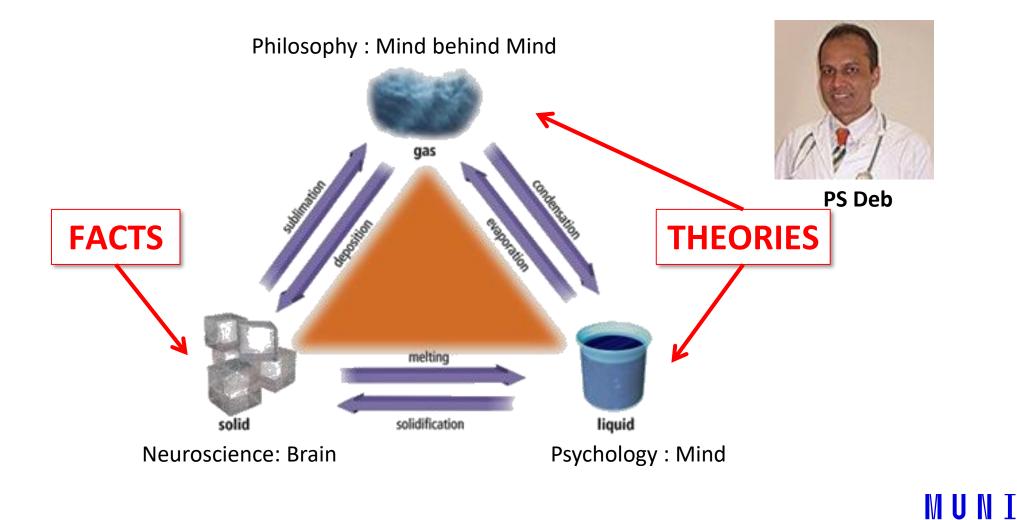
Complementary ways of thinking



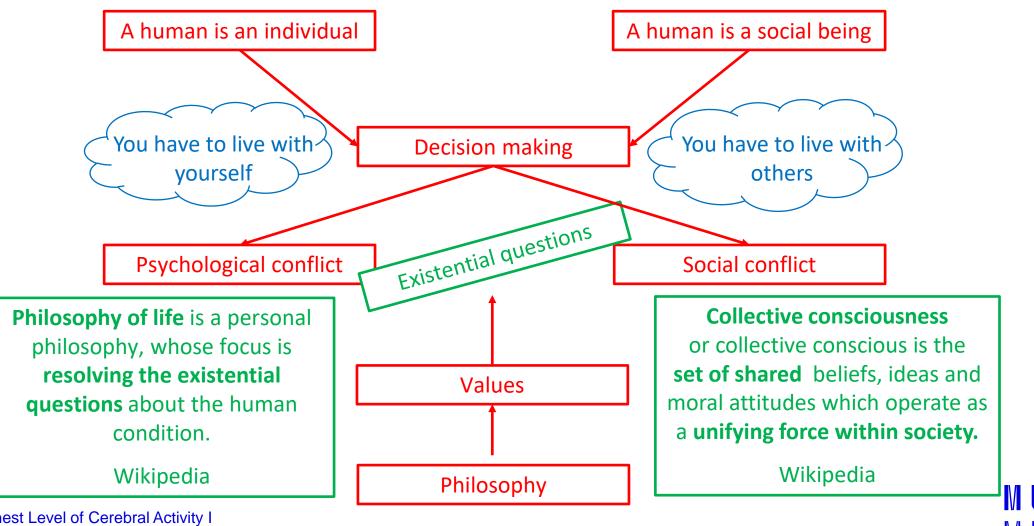




20 The Highest Level of Cerebral Activity I

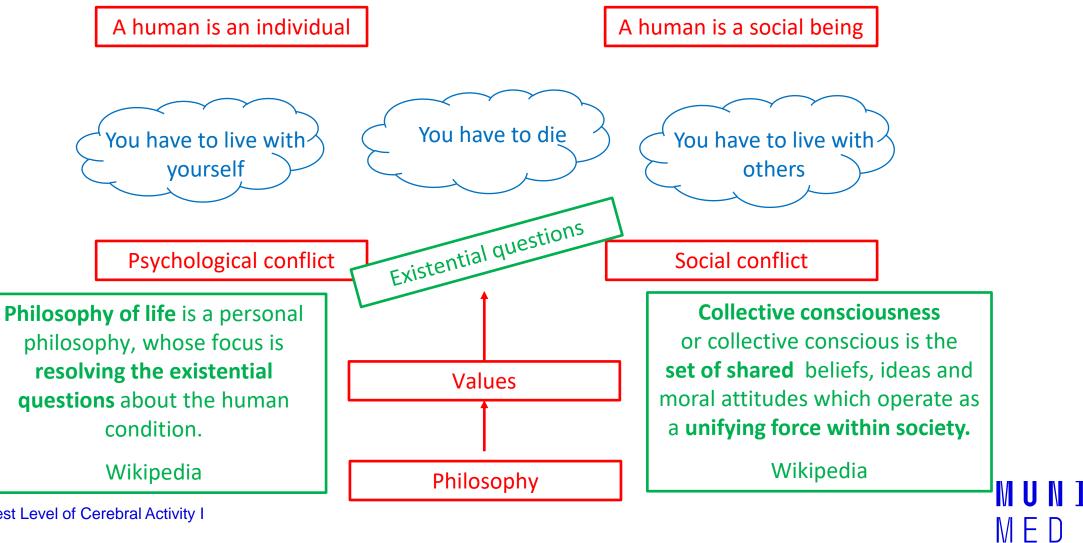


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The Highest Level of Cerebral Activity I 23

http://www.jansokol.cz/2014/03/civilizace-kultura-a-nabozenstvi/

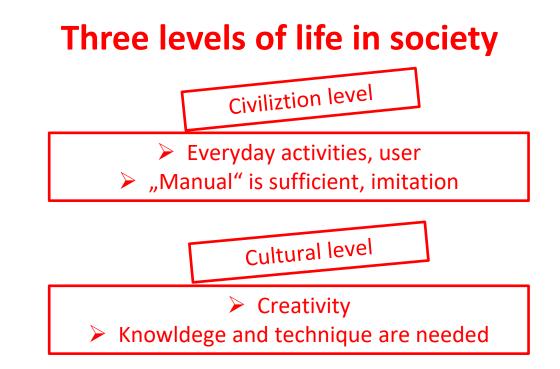
Three levels of life in society

Civiliztion level

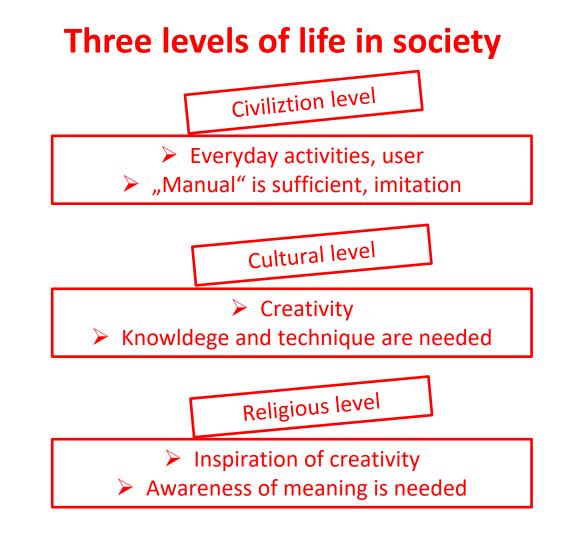
Everyday activities, user

"Manual" is sufficient, imitation

http://www.jansokol.cz/2014/03/civilizace-kultura-a-nabozenstvi/

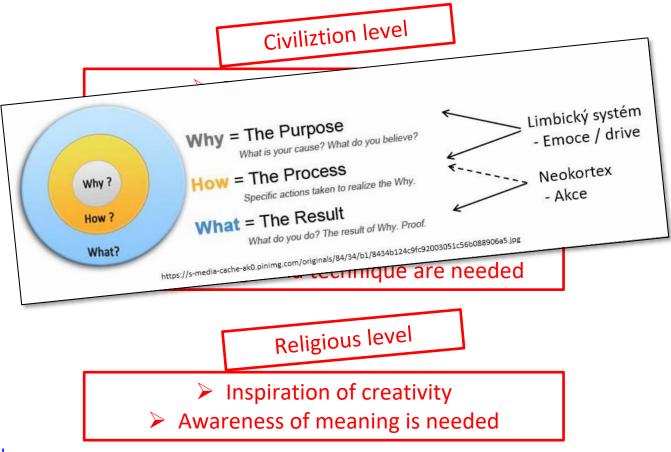


http://www.jansokol.cz/2014/03/civilizace-kultura-a-nabozenstvi/



http://www.jansokol.cz/2014/03/civilizace-kultura-a-nabozenstvi/

Three levels of life in society



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Culture – the sum of knowledge ✓ Material ✓ Spiritual









https://s-media-cacheak0.pinimg.com/564x/9a/86/da/9a86da32052973bb 085dc1511d4b7102.jpg

http://previews.123rf.com/images/dja65/dja651107/dja65110700341/ 10025966-Stone-age-axe-Stock-Photo-tools-ancient-stone.jpg

http://www.thebushcraftstore.co.uk/ekmps/shops/bduimportslt d/images/condor-greenland-pattern-axe-[2]-12105-p.jpg









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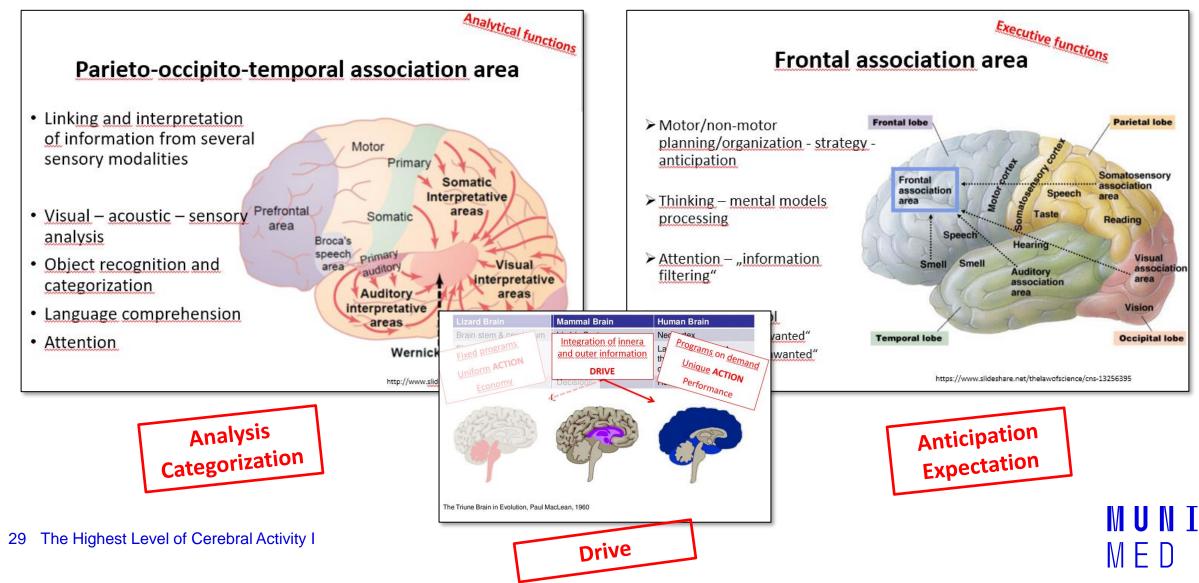
https://en.wikipedia.org/wiki/File:Mary16thC.jpg

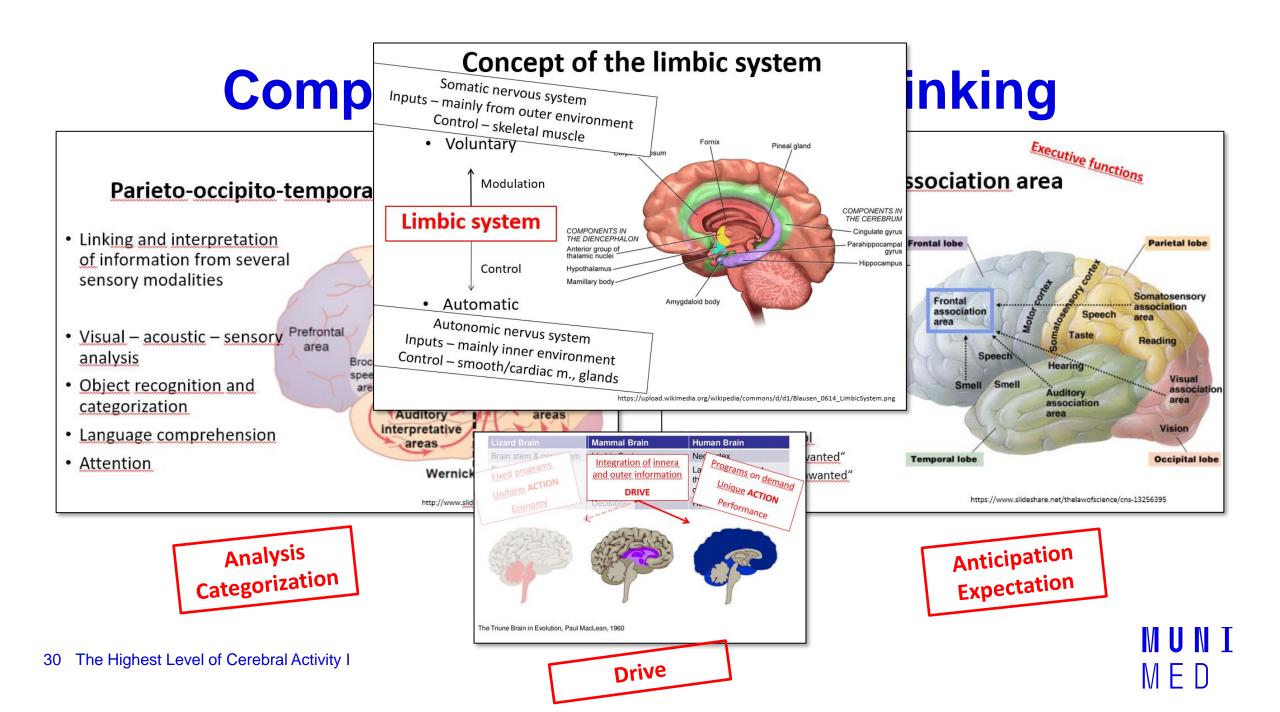
28

https://www.wikiart.org/en/leonardo-davinci/the-madonna-of-the-carnation

https://pixels.com/featured/1-madonna-and-childpeter-paul-rubens.html

Complementary ways of thinking





Limbic system and neocortex

Instinctive behavior

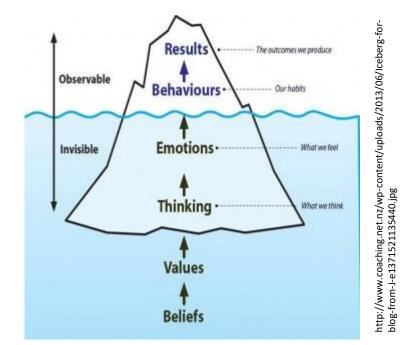
Limbic system
I see a nice thing, so why not to steel it?

Socially enforced behavior

Legal behavior
Neocortex – limbic system
Theft is a crime, and punishment may come

Moral behavior

- Legitime behavior
- Limbic system
- ✓ Stealing is a bad thing



 $\mathbb{N} \vdash \mathbb{D}$

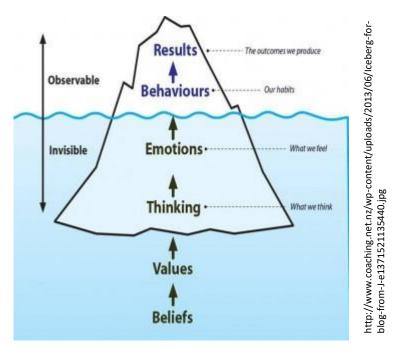
31 The Highest Level of Cerebral Activity I

Limbic system and neocortex

Instinctive behavior

Limbic system
I see a nice thing, so why not to steel it?

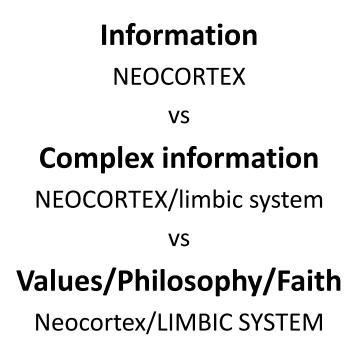


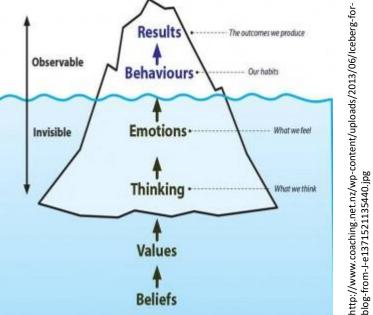


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32 The Highest Level of Cerebral Activity I

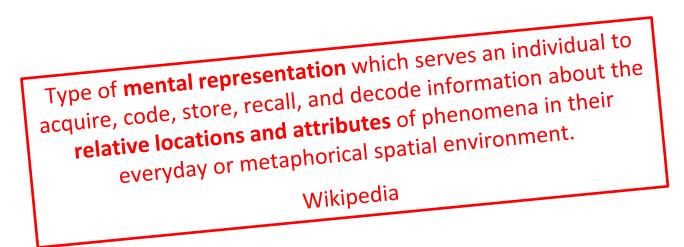
Limbic system and neocortex



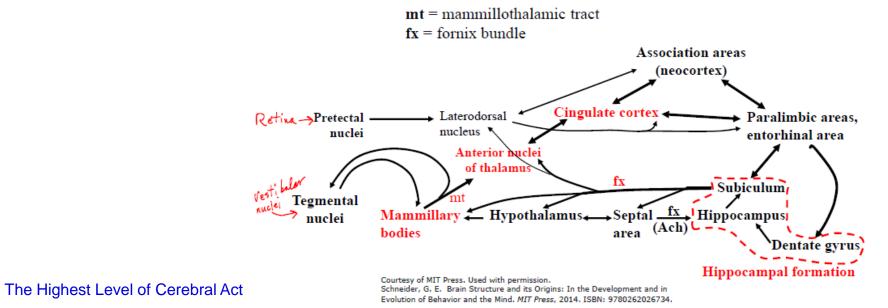


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- Two major links between olfactory system and the motor systems of the midbrain
 - 1) Through the ventral endbrain, which became corpus striatum and basal forebrain (including much of the septal area)
 - · Outputs to hypothalamus, (epithalamus, subthalamus), midbrain
 - · These outputs affected locomotion and orienting movements
 - The links were plastic, so <u>habits</u> were formed according to rewarding effects mediated, e.g., by taste effects.
 - 2) Through the medial part of the dorsal endbrain, which became medial pallium—the hippocampal formation
 - Outputs to ventral striatum, hypothalamus, epithalamus
 - The links were plastic, but the "habits" formed were different: The association of place with good or bad consequences of approach.





http://www.slideshare.net/drsunilsuthar/neurobiology-of-emotion

Prof. Gerald Schneider

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- ✓ Object oriented
- ✓ Implicite

✓ Location oriented

✓ Explcite

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Learning and memory

- Connections of striatum and hippocampus are plastic
- Plasticity is a base of learning
- Learning is a forming of long- term memory
- Declarative memory (explicit)
- Based on hippocampus
- Explicit information is stored and later recollected
- "Construction of the maps (relationships)" spatial or abstract
- Procedural memory (implicit)
- Based on striatum
- Habitual learning motor skills, but also social habits
- "Construction of the algorithms"

Location oriented: Where am I and what has happened here?

Object oriented: Can I eat it and how to eat it? Cognitive map term definition

Edward C. Tolman

1948



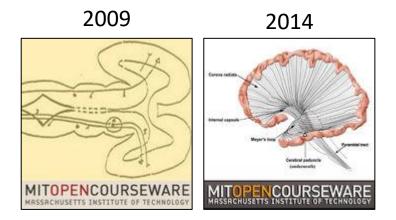
https://en.wikipedia.org/wiki/Edwar d_C._Tolman

Anatomical correalte?

Gerald Schneider

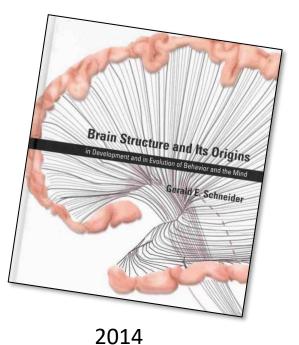


O'Keefe and Nadel '70s And others



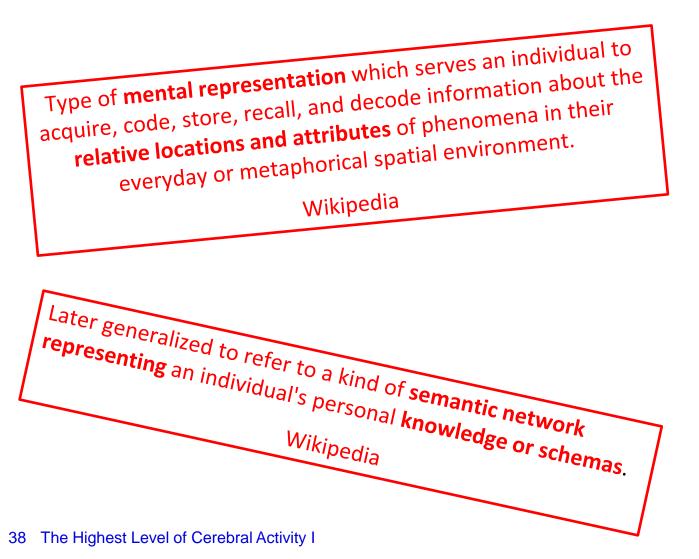
https://itunes.apple.com/us /podcast/brain-structureand-its-origins-2009/id385157530?mt=2

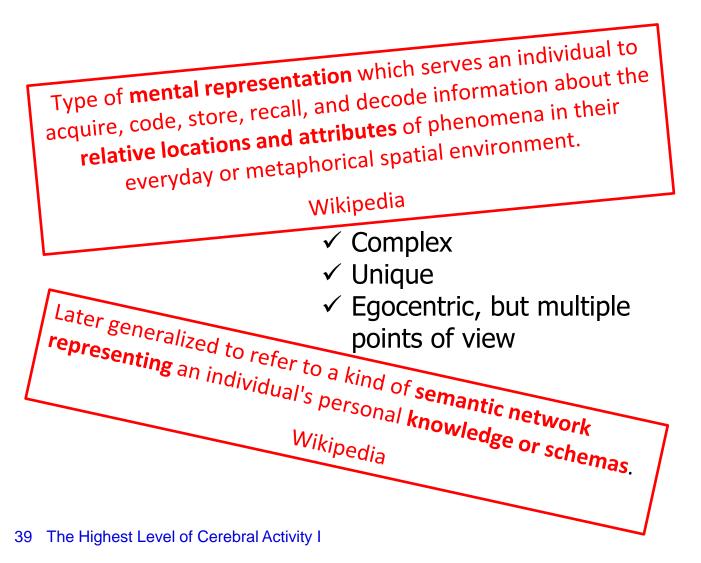
https://itunes.apple.com/us/ podcast/brain-structure-andits-origins-2014/id944293984?mt=2

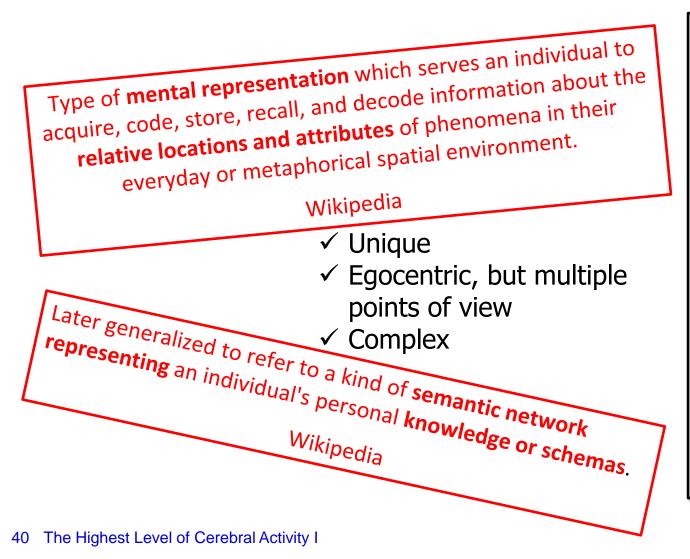


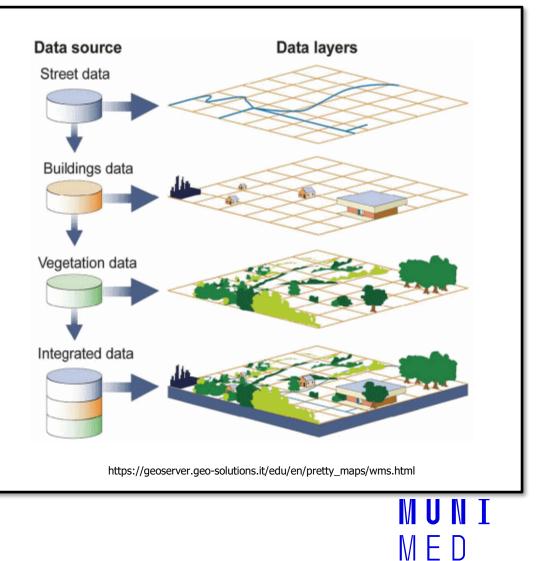
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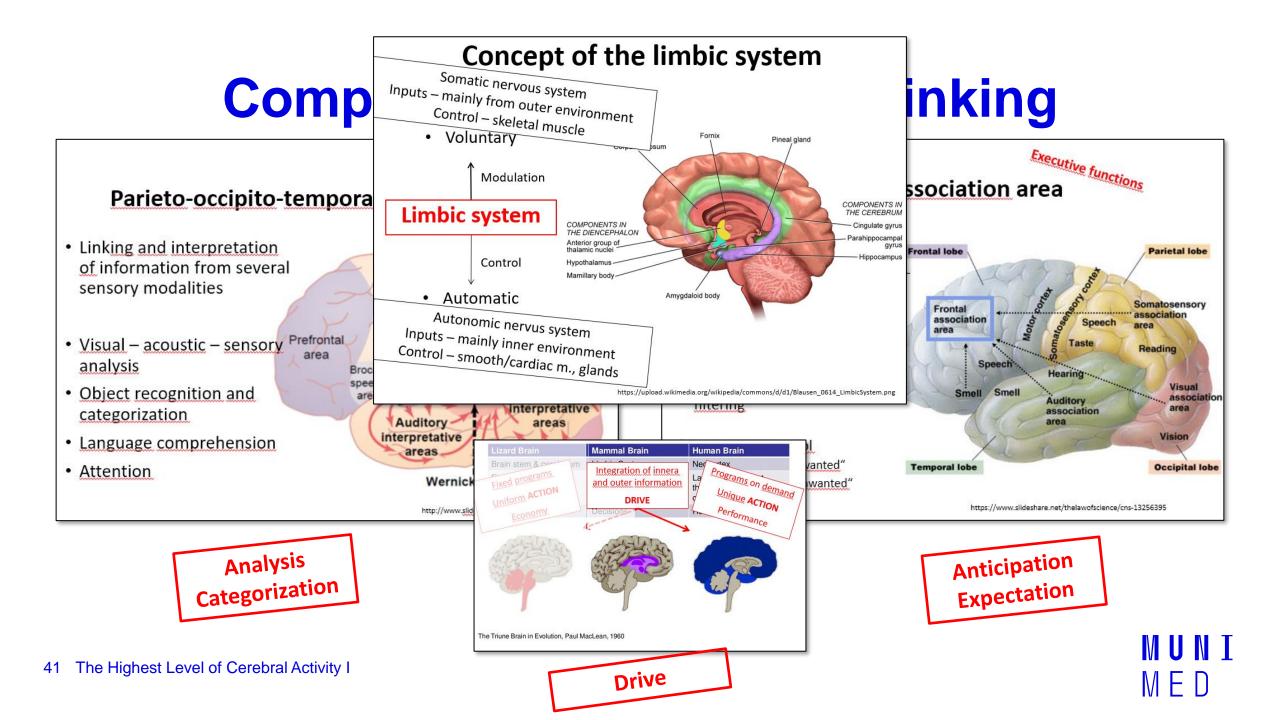
37 The Highest Level of Cerebral Activity I











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