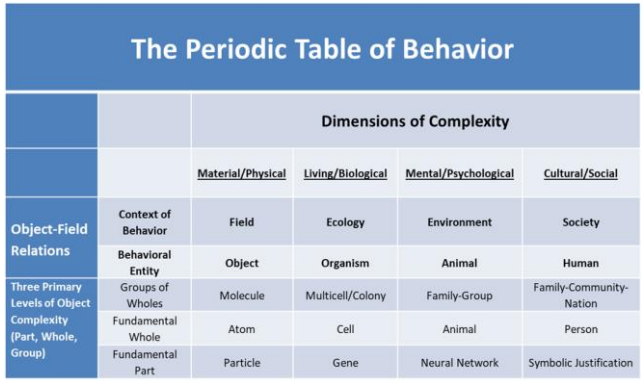
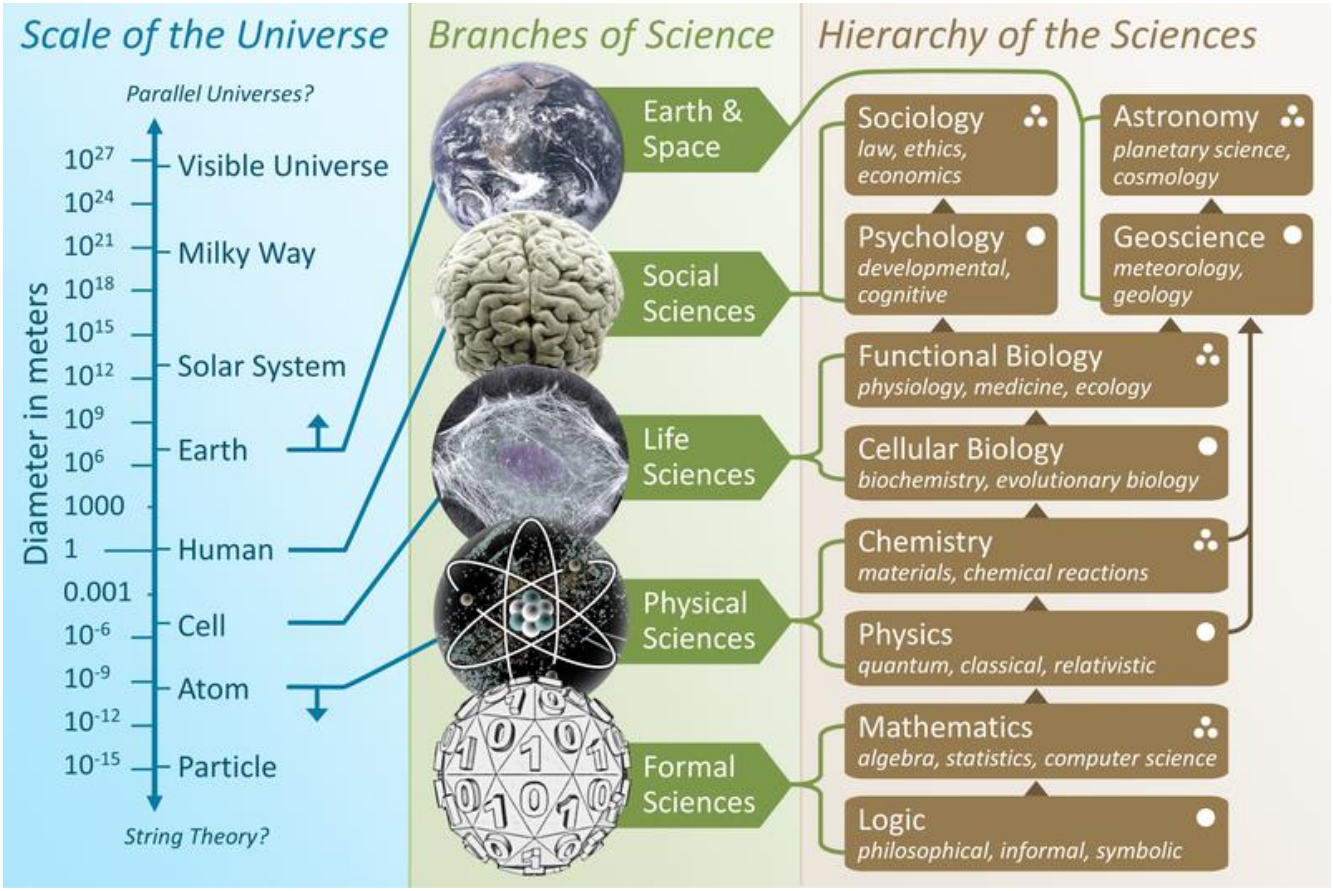


The Periodic Table of Behavior					
		Dimensions of Complexity			
		Material/Physical	Living/Biological	Mental/Psychological	Cultural/Social
Object-Field Relations	Context of Behavior	Field	Ecology	Environment	Society
	Behavioral Entity	Object	Organism	Animal	Human
Three Primary Levels of Object Complexity (Part, Whole, Group)	Groups of Wholes	Molecule	Multicell/Colony	Family-Group	Family-Community-Nation
	Fundamental Whole	Atom	Cell	Animal	Person
	Fundamental Part	Particle	Gene	Neural Network	Symbolic Justification

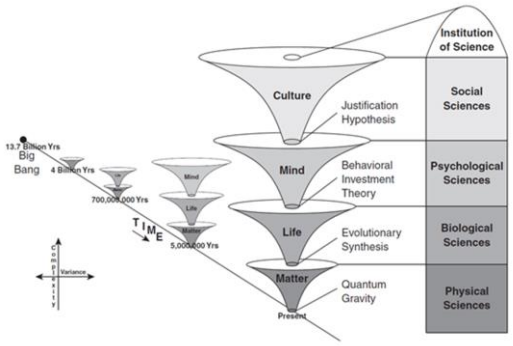
The Periodic Table of Behavior

A new way to categorize the sciences.



Standard maps of science, such as shown here, fail to appreciate the relationship between size/scale and behavioral complexity.

The ToK leads to a new, Periodic Table of Behavior that resolves the issues.



The ToK System leads to the Periodic Table of Behavior. It is based on the premise that behavior is a foundational construct in science, both ontologically and epistemologically. The PTB posits that behavioral patterns are measured and described across different object-field levels and different dimensions of behavioral complexity.

The Periodic Table of Behavior

		Dimensions of Complexity			
		Material/Physical	**Living/Biological**	**Mental/Psychological**	**Cultural/Social**
Object-Field Relations	**Context of Behavior**	**Field**	**Ecology**	**Environment**	**Society**
	Behavioral Entity	**Object**	**Organism**	**Animal**	**Human**
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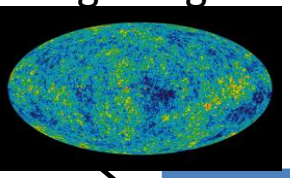
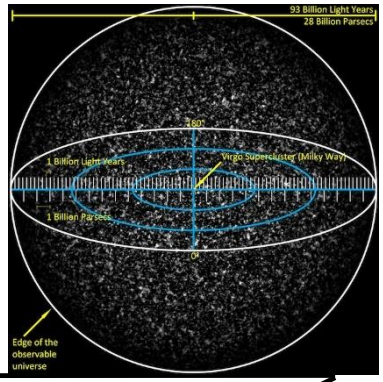
Physical Sciences

Big Bang



Visible Universe



The Periodic Table of Behavior

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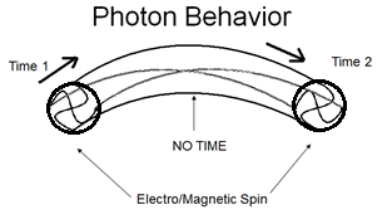
	Fundamental Whole	Atom	Cell	Animal	Person
	Fundamental Part	Particle	Gene	Neural Network	Symbolic Justification

Time
13.8
billion

Scale

Quantum

Standard Model of Particle Physics



The Periodic Table of Behavior

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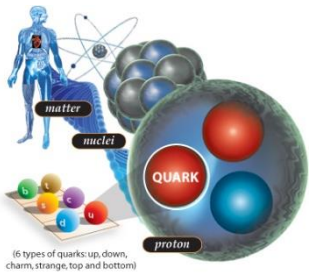

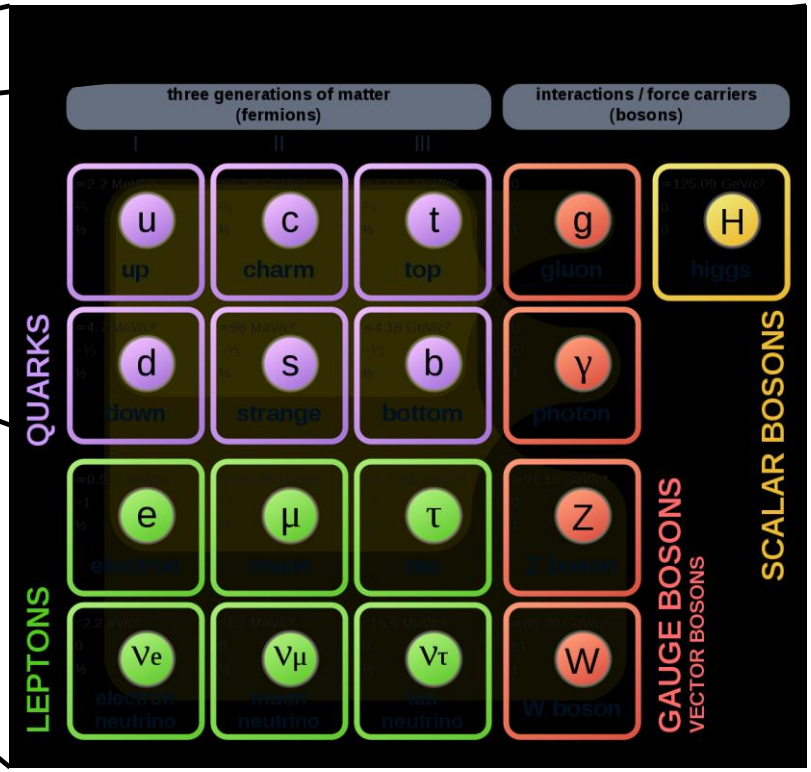

Periodic Table of the Elements

The Periodic Table of Behavior

		Dimensions of Complexity			
		Material/Physical	Living/Biological	Mental/Psychological	Cultural/Social
Object-Field Relations	Context of Behavior	Field	Ecology	Environment	Society
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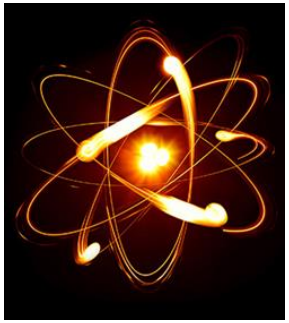

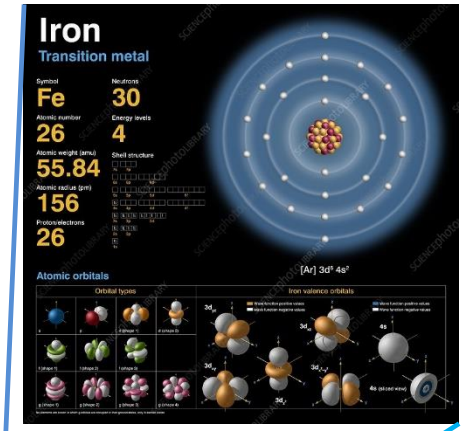

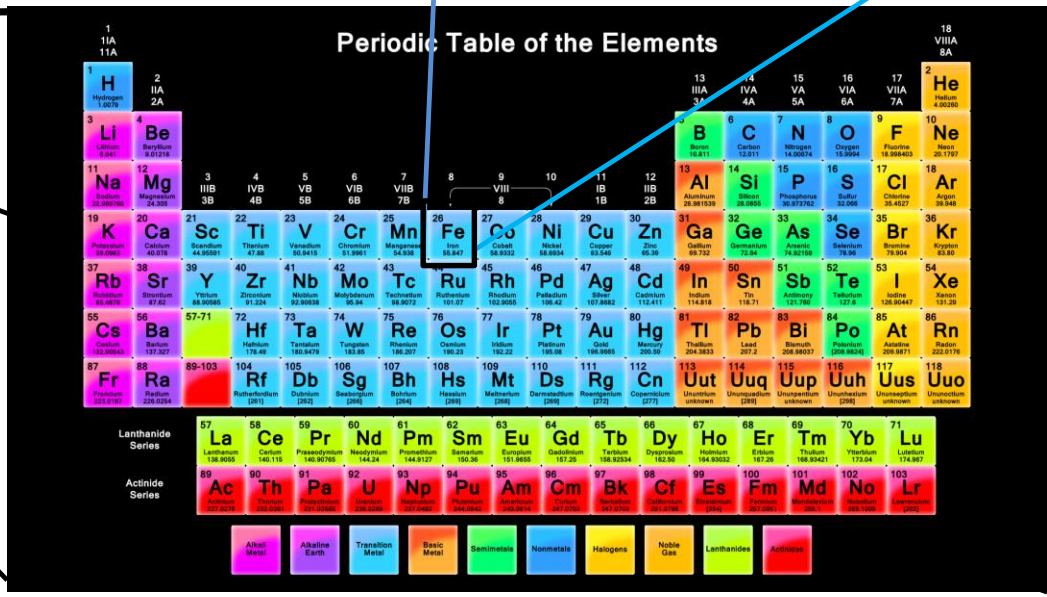

Chemistry
(Science of Molecular Behavior)

The Periodic Table of Behavior					
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		Material/Physical	Living/Biological	Mental/Psychological	Cultural/Social
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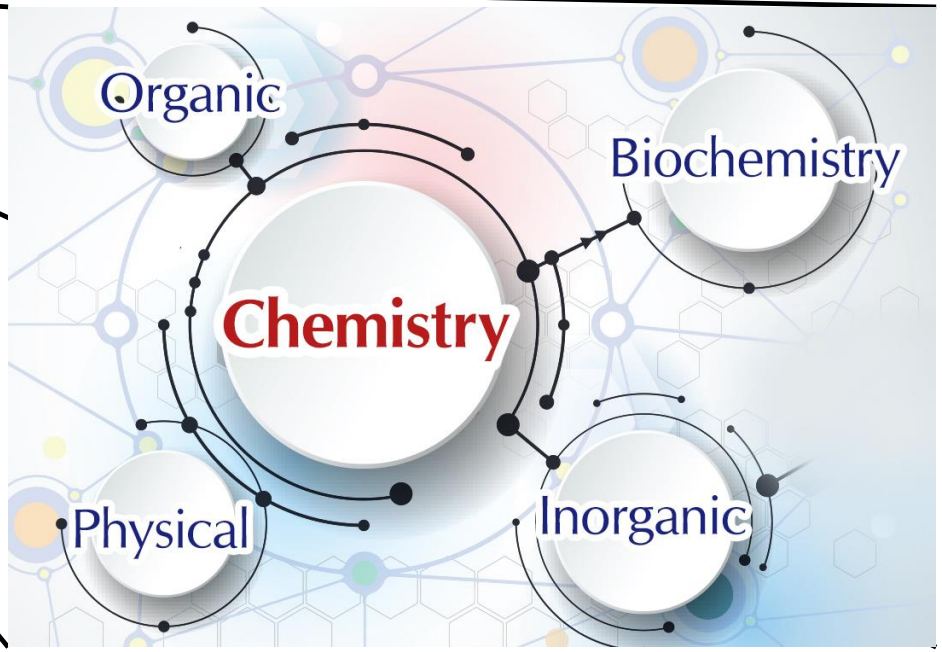
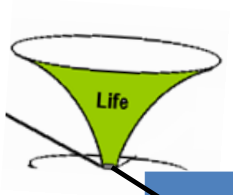


Biological Sciences



The Periodic Table of Behavior

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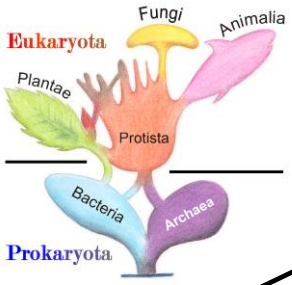
Ecology

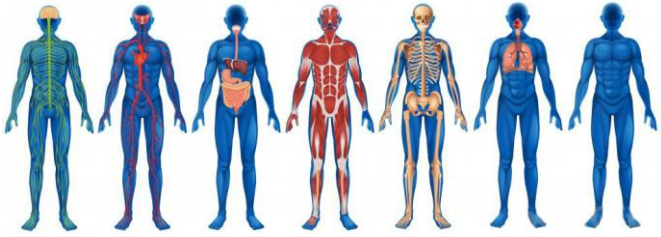


Time 4 bya

Evolution

Scale

Microbiology



Physiology and Anatomy

Science of Genetics

The Periodic Table of Behavior

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		Material/Physical	Living/Biological	Mental/Psychological	Cultural/Social
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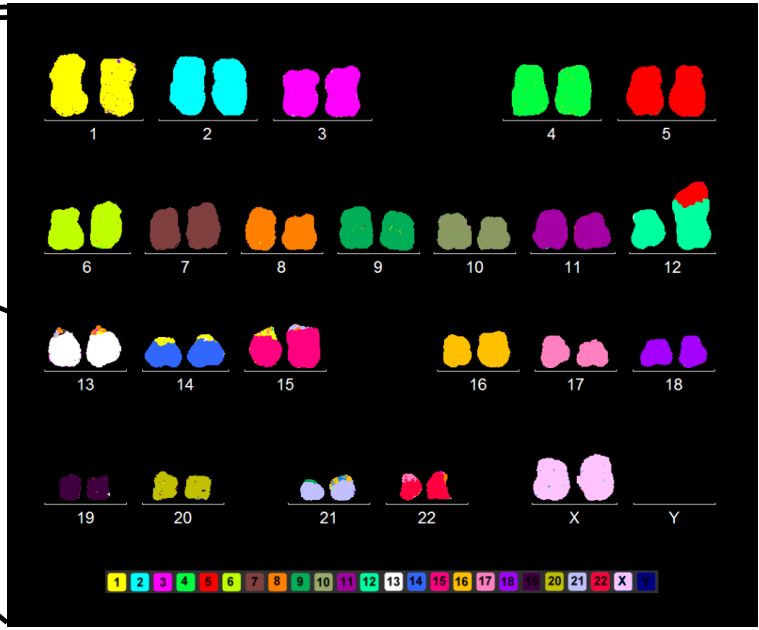

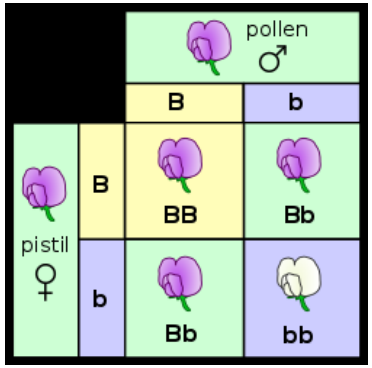

Cytology

The Periodic Table of Behavior

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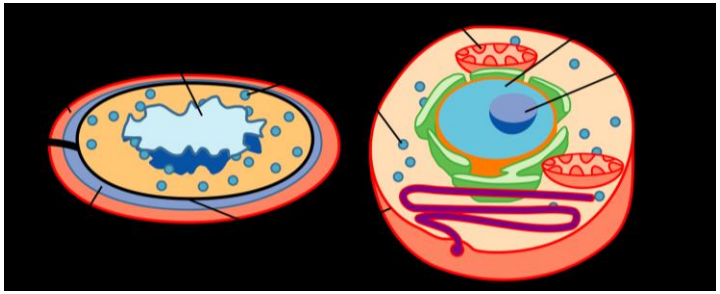
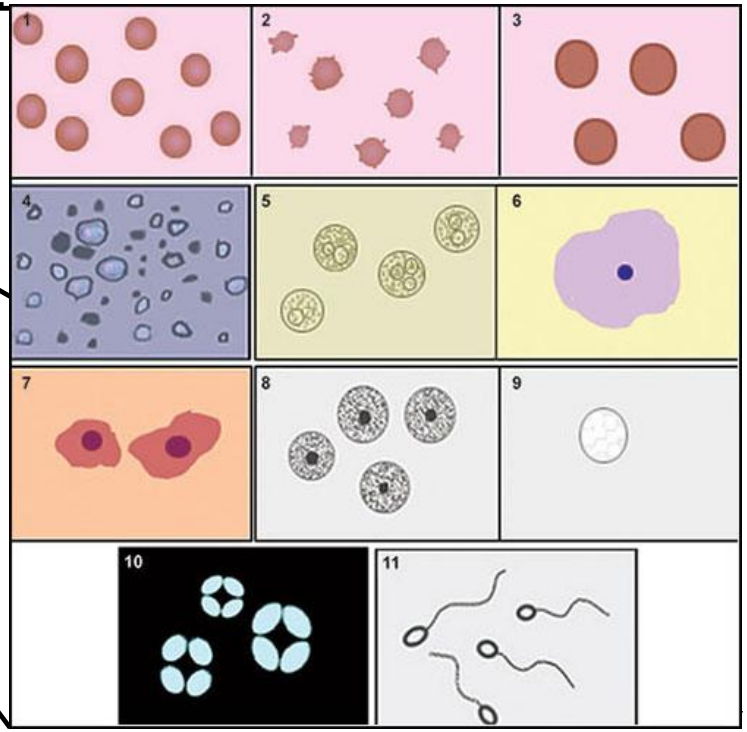
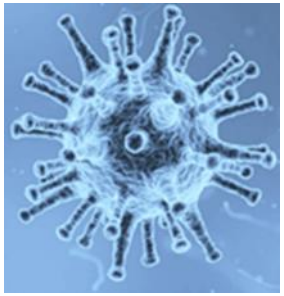
Prokaryotes Eukaryotes

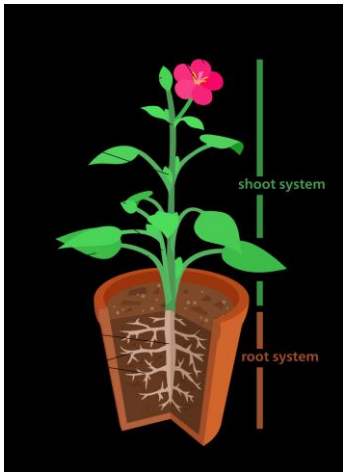




Virology



Botany



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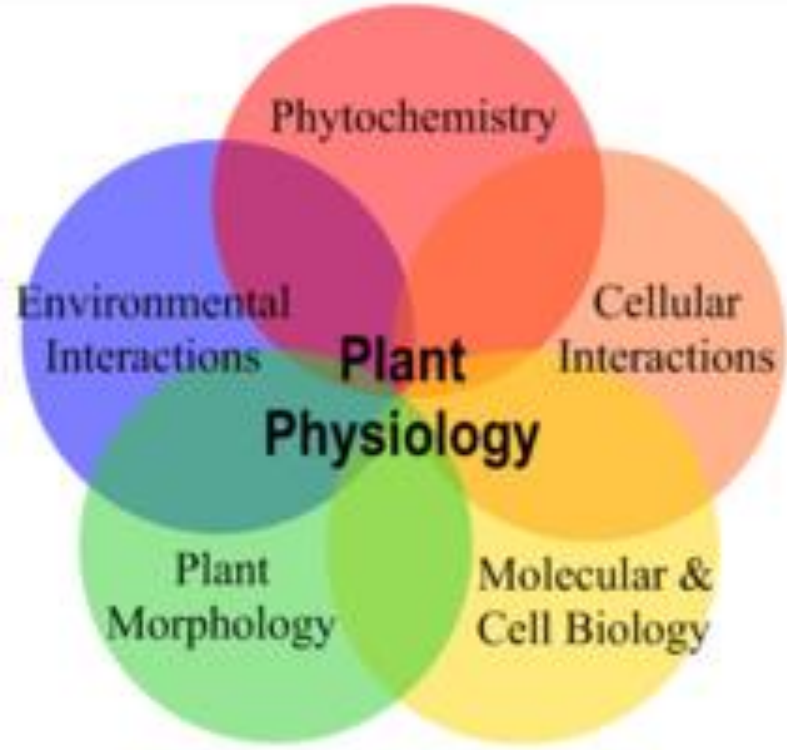

Mind, Brain, Animal Behavior Sciences

The Periodic Table of Behavior

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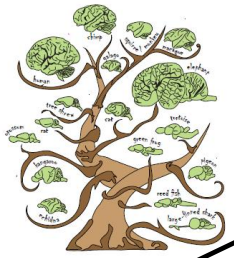
Behavioral Ecology

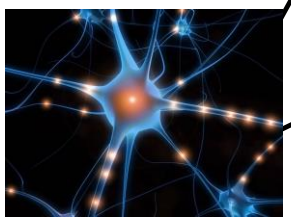
EVOLUTION OF
NERVOUS SYSTEMS



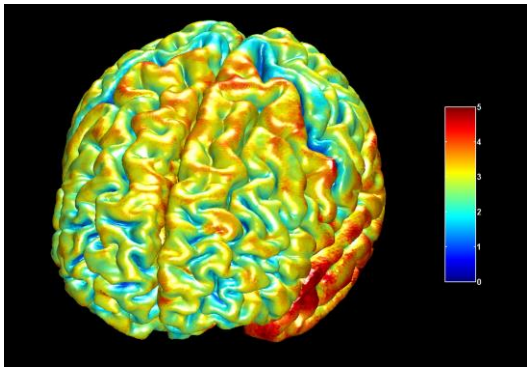
Time (550 mya)

Scale

Neuroscience



Neuroscience



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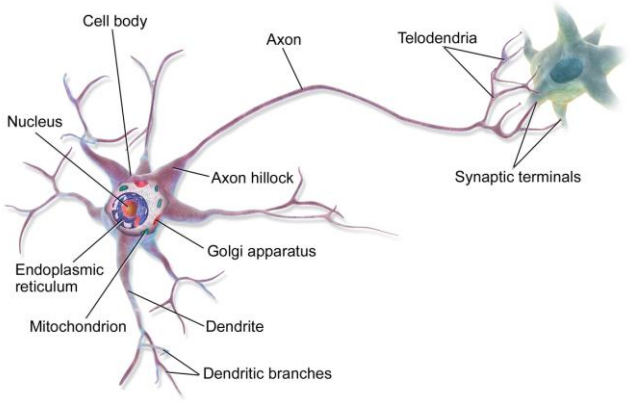

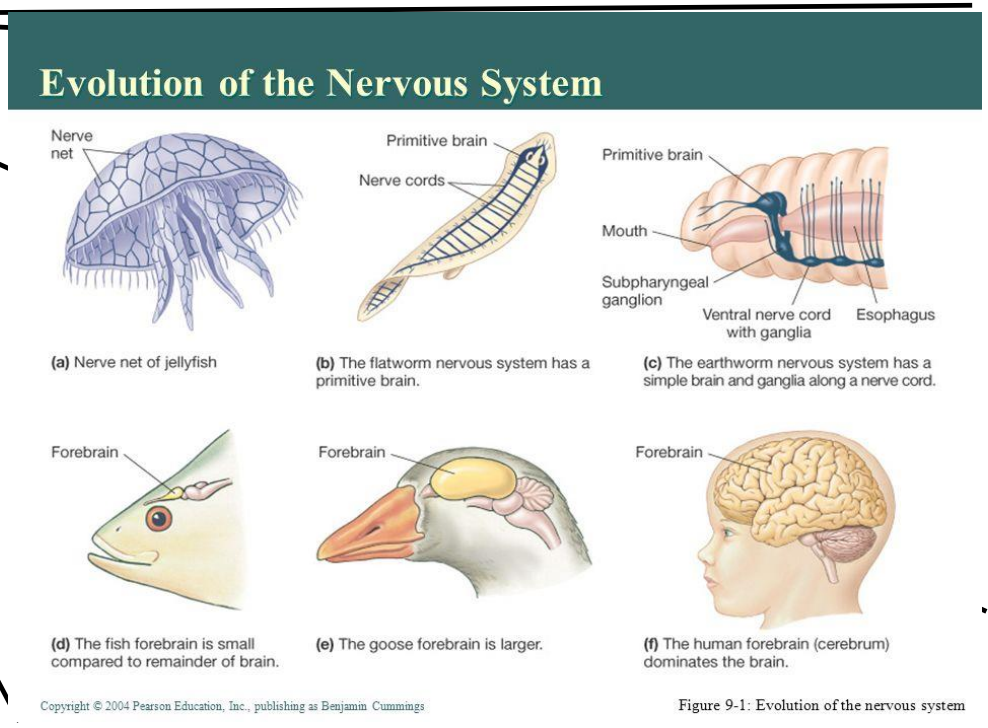

Zoology (Animals as Organism) and Ethology and Comparative Psychology (Animal Behavior in Nature)

The Periodic Table of Behavior

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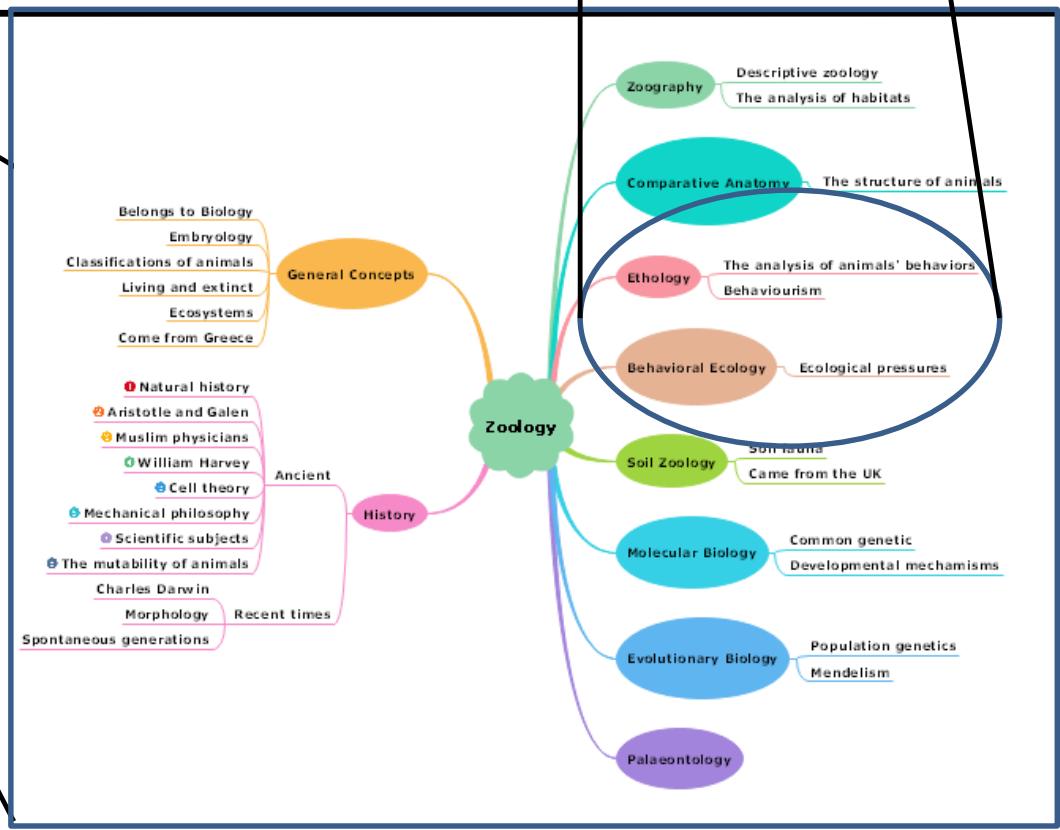

Cognitive Behavioral Neurosciences (Experimental Analysis of Animal Behavior)

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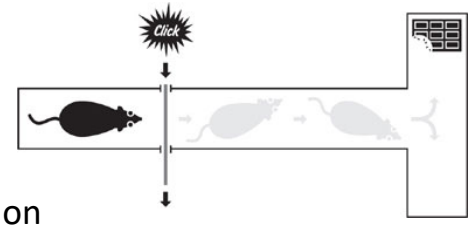
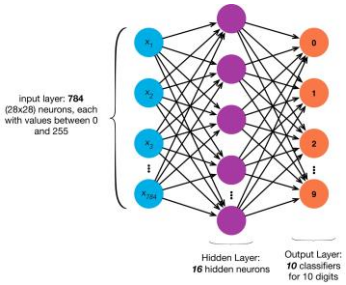
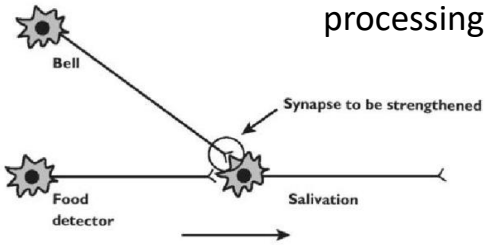


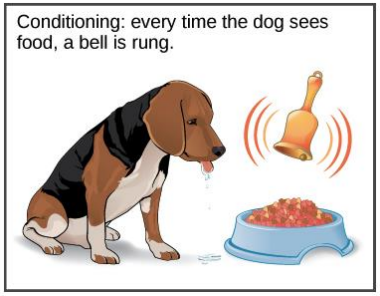
Decision Making and Higher Cognitive Processes



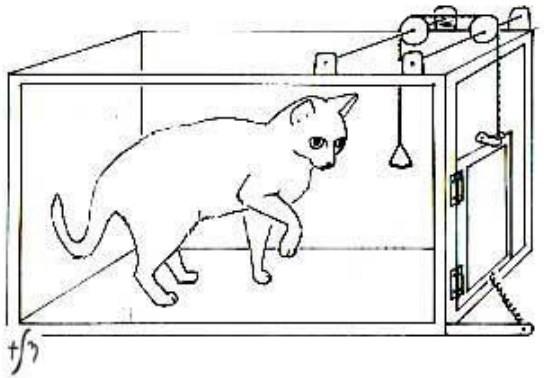
Neural Networks, learning and information processing



Associative Conditioning



Operant Conditioning



Sociobiology

The Periodic Table of Behavior					
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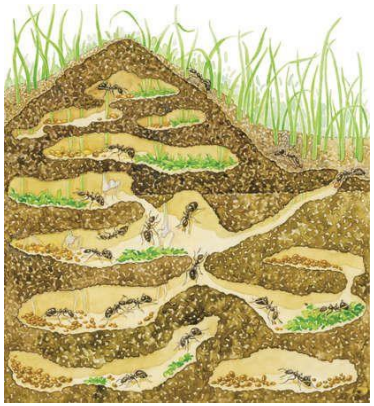
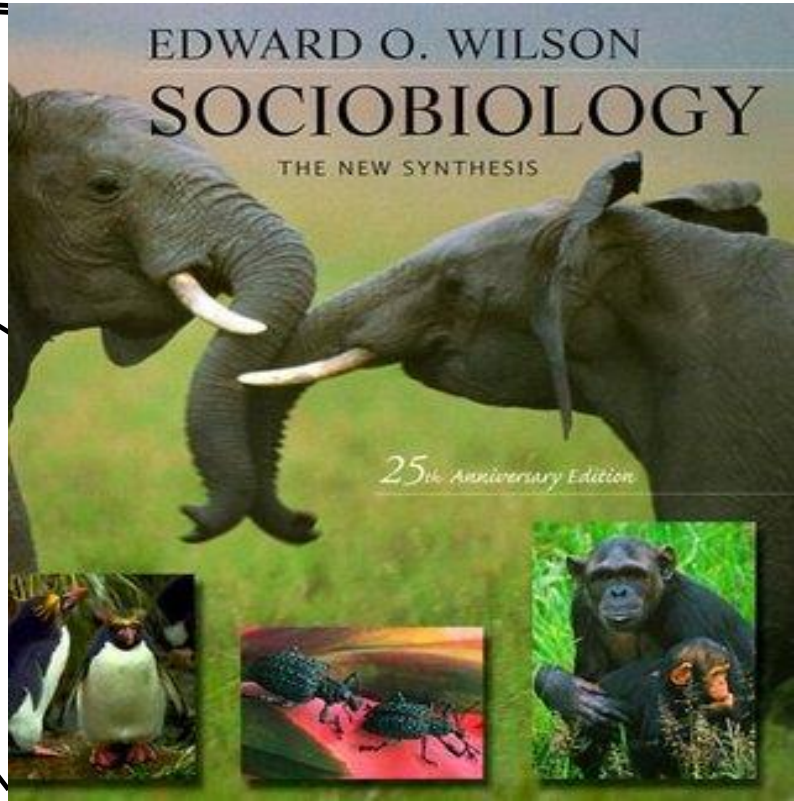
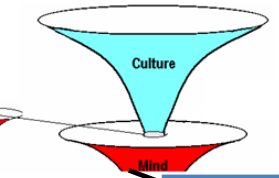




Human Social Sciences



The Periodic Table of Behavior

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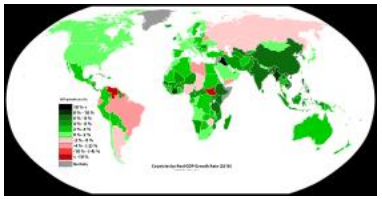
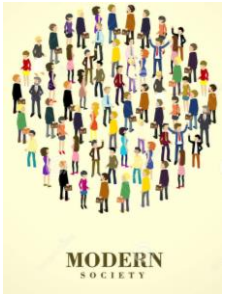
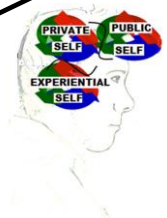
Time
200,000

Scale





Branches of linguistics



Human Cognitive Science

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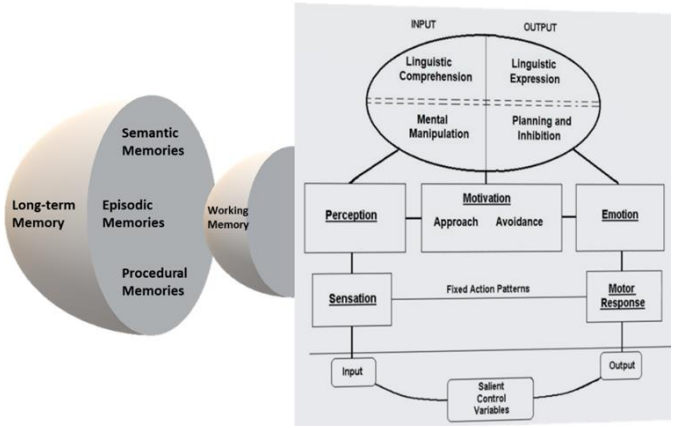
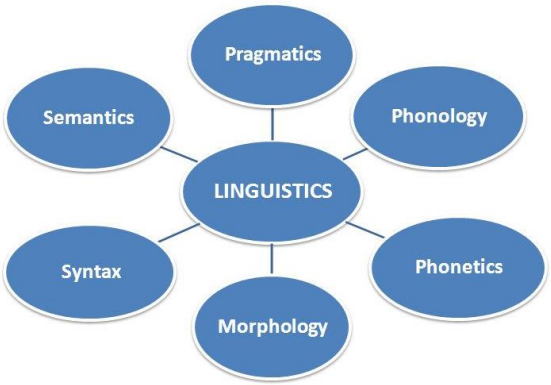
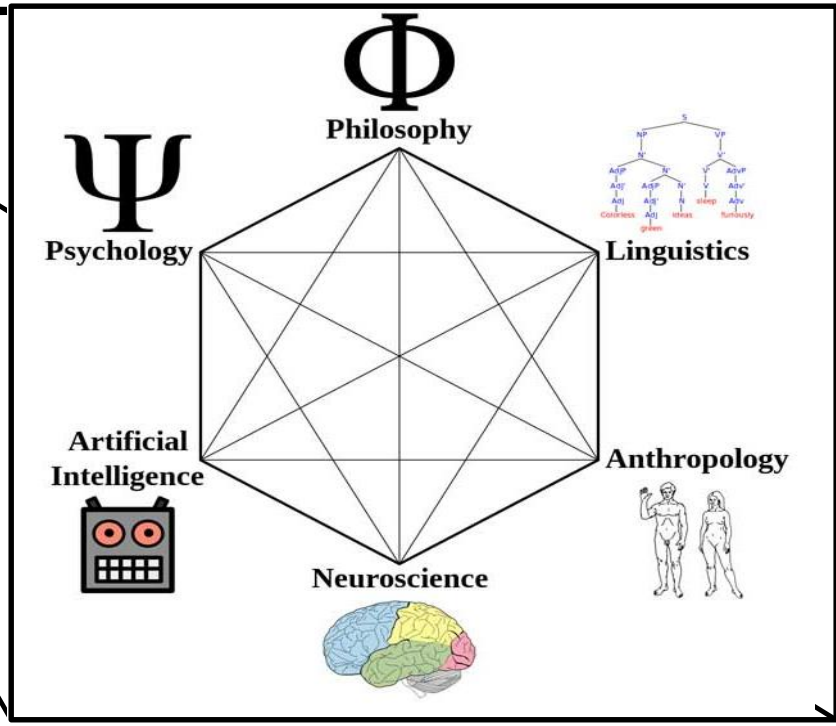
	Fundamental Part	Particle	Gene	Neural Network	Symbolic Justification



Branches of linguistics





Human Psychology
(Development, Personality, Social)

The Periodic Table of Behavior

		Dimensions of Complexity			
		Material/Physical	Living/Biological	Mental/Psychological	Cultural/Social
Object-Field Relations	Context of Behavior	Field	Ecology	Environment	Society
	Behavioral Entity	Object	Organism	Animal	Human
Three Primary Levels of Object Complexity (Part, Whole, Group)	Groups of Wholes	Molecule	Multicell/Colony	Family-Group	Family-Community-Nation
	Fundamental Whole	Atom	Cell	Animal	Person
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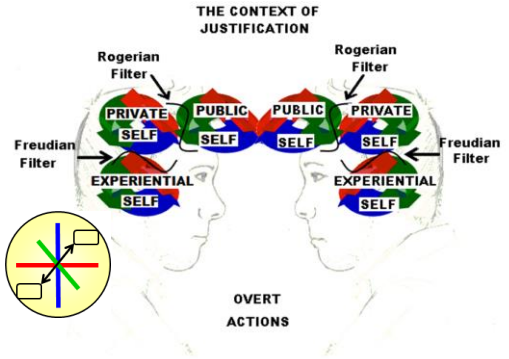
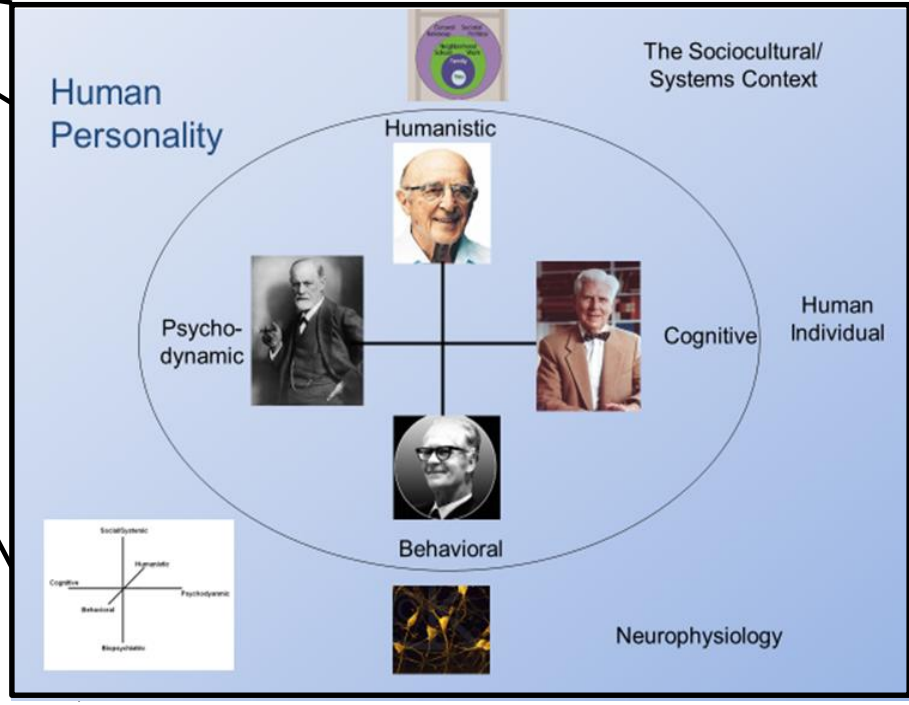


Erikson's Stages of Psychosocial Development

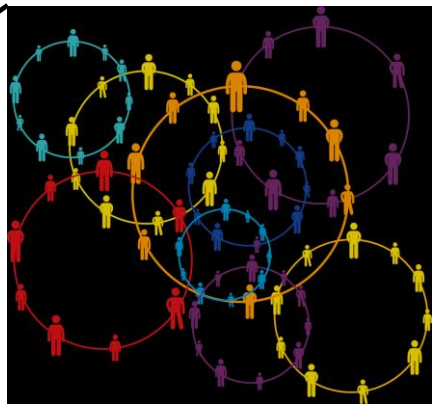
Approximate Age	Psycho Social Crisis
Infant - 18 months	Trust vs. Mistrust
18 months - 3 years	Autonomy vs. Shame & Doubt
3 - 5 years	Initiative vs. Guilt
5 -13 years	Industry vs. Inferiority
13 -21 years	Identity vs. Role Confusion
21- 39 years	Intimacy vs. Isolation
40 - 65 years	Generativity vs. Stagnation
65 and older	Ego Integrity vs. Despair



Social Sciences

(Socio-Cultural Group Economic Behavior)

Sociology



The Periodic Table of Behavior

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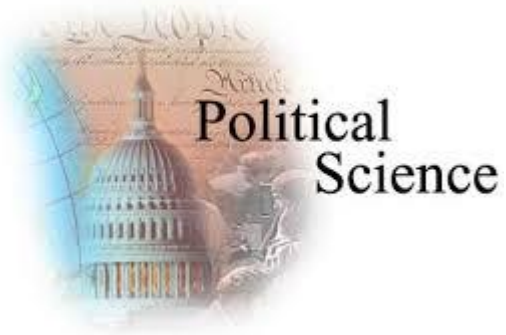
Anthropology



Economics