WHAT ARE THE OTHER LIFE FORMS?

– GAIAS OTHER CHILDREN-

Humans are NOT the only Life forms on the Earth. In fact we are one of the last ones to appear. For billions of years the Earth (Gaia) has been creating or modifying all life forms in a giant, continuous experiment. Evolution or modification of traits in each species has resulted in a continuous alteration of Life.

Some species die off and others appear. This is case with the human sub-species of the Primate Order. Darwin theorized that improvements in genetic or behavior patterns would give certain entities an advantage for survival over others.

In Life there is birth and death. You can't have one without the other. There have been countless cycles of this drama. Periodically there have major extinctions that have drastically altered these "regular" life patterns.

Three and one half billion years of evolutionary life has resulted in our World today. There are over 2.5 million species listed, each with different recognized characteristics. New species arrive and others disappear. The only constant factor in all of this is that Life on the Earth goes on. Gaia creates environmental variations in every part of the world to give each species a chance to exist and thrive.

The chart below has been created to display all the other Life Forms that are currently in some form of existence. The variety of all Life Forms put together is called Bio-Diversity. Please examine the Five Major Kingdoms and the categories of life grouped by similarities. The second column shows the number of entirely species identified in each group. We are showing the scientific name in first column and the common name in the third column. We also show if the species occurs on Air, Sea, Land, Soil or combination. Lastly, there is a column that shows a relative percentile size of the species members.

This Chart is meant to give you a quick understanding of how many types of Life exist on the Earth.

KINGDOMS OF LIFE AND THEIR DOMAIN

TAXONOMIC NAME & CLASSIFICATION	# of SPECIES	COMMON NAMES	AIR	SEA	LAND	SOIL	SIZE
MONERA KINGDOM							
Archaebacteriobionta SUB-KINGDOM	259	methane, salt, sulfur bacteria		X			1
Eubacteriorbionta SUB -KINGDOM	9,021	true bacteria-blue/green bacteria		X			1
PROTISTA KINGDOM							
PHYCOBIONTA SUB-KINGDOM							
Xanthophyta PHYLUM	550	yellow-green algae		X			2
Chrysophyta PHYLUM	400	golden-brown algae		X			2
Sporozoa PHYLUM	500	Plasmodium malaria	X	X	X	X	2
Dinophyta PHYLUM	1,000	dinoflagellates		X			2
Bacillariophyta PHYLUM	5,500	diatoms		X			2
Cryptophyta PHYLUM	128	Cryptophyta		X			2
Haptophyta PHYLUM	250	Haptonema organisms		X			2
Euglenophyta PHYLUM	550	Euglenoids		X		X	2
Chlorophyta PHYLUM	10,200	green algae		X			2
Phaeophyta PHYLUM	900	brown algae		X			2
Rhodophyta PHYLUM	2,500	red algae		X			2
MASTIGOBIONTA SUB-KINGDOM							
Chytridiomycota PHYLUM	750	chytrids		X			2

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Oomycota PHYLUM	475	water molds		X			2
MYXOBIONTA SUB-KINGDOM							
Acrasiomycota PHYLUM	21	cellular slime molds		X	X	X	2
Myxomycota PHYLUM	500	true slime mold		X	X	X	2
FUNGI KINGDOM							
Zygomycota PHYLUM	570	coenocytic fungi			X	X	5
Eumycota PHYLUM	350	septate fungi			X	X	6
Ascomycotina SUB-PHYLUM	56,000	cup fungi			X	X	6
Basiomycotina SUB-PHYLUM	25,000	club fungi			X	X	6
Deuteromycotina SUB-PHYLUM	22,000	imperfect fungi			X	X	6
Lichenes SUB-PHYLUM	13,500	lichen			X	X	6
PLANT KINGDOM							
Hepaticophyta PHYLUM	8,300	liverworts			X	X	9
Anthocerotophyta PHYLUM	350	hornworts			X	X	9
Bryophyta PHYLUM	13,500	mosses			X	X	18
Psilotophyta PHYLUM	3	wisk ferns			X	X	15-28
Lycophyta PHYLUM	1,140	club mosses			X	X	10-22
Sphenophyta PHYLUM	25	horsetails			X	X	35
Pterophyta PHYLUM	8,600	ferns			X	X	20-40
Pinophyta PHYLUM		gymnosperms			X	X	60-94
Cycadicae SUB-PHYLUM	160	cycads			X	X	60
Pinicae SUB-PHYLUM	700	conifers			X	X	90

Gneticae SUB-PHYLUM	75	ephedra, welwitchia			X	X	80
Magnoliaphyta PHYLUM		flowering plants			X	X	
Magnoliopsida CLASS	200,000	dicots			X	X	20-95
Liliopsida CLASS	60,000	monocots			X	X	15-87
ANIMAL KINGDOM							
Annelida PHYLUM	17,000	Earthworms, leeches		X		X	18
Arthropoda PHYLUM							
Arachnida CLASS							
Acari ORDER	50,000	ticks & mites	X	X	X	X	7
Araneae ORDER	74,445	spiders	X	X	X	X	22
Scorpianida ORDER	1,400	scorpians			X	X	22
Crustacea SUB-PHYLUM	38,839						
Brachiopoda CLASS	330	scallops, clams, oysters, mussels		X			40
Malacostraca CLASS	22,000	crabs, lobsters, shrimp		X			30-50
Maxillopoda CLASS	400	marine worms		X			34
Uniramia SUB-PHYLUM							
Chilopoda CLASS	220	Centipedes			X	X	18
Diplopoda CLASS	10,000	millipedes			X	X	22
Insecta CLASS	1,010,000	flies, bugs, beetles, bees hoppers	X		X	X	30
Nematoda PHYLUM	900,000	roundworms		X	X	X	19
Platyhelminthese PHYLUM							
Cestoda CLASS	12,590	Tapeworms			X	X	12

Trematoda CLASS	22,000	flukes		X	X	X	12
Turbellaria CLASS	4,500	planarians		X	X	X	9
Porifera PHYLUM	10,000	sponges		X			20
Rotifera PHYLUM	1,800	rotifer maggot		X			10
Hemichordata PHYLUM	100	acorn worms		X			20
Nemertea PHYLUM	1,400	ribbon worm		X			14
Cnideria PHYLUM	9,000	cubozoa		X			14
Acanthocephala PHYLUM	25	spiny-headed worms	X	X	X	X	12
Chordata PHYLUM							
Cephalochordata SUB-PHYLUM	20	lancelets		X			13
Urochordata SUB-PHYLUM	3,000	trunicates		X			16
Agnatha SUPER-CLASS							
Cephalaspidomorphi CLASS	65	lampreys and hagfish		X			18
Gnathostomata SUPER-CLASS							
Chondricthyes CLASS	900	sharks, rays and skates		X			95
Osteichthyes CLASS	30,000	perch, bass, catfish, flounder		X			55
Amphibia CLASS	6,400	frogs, toads		X	X		28
Aves CLASS	10,000	birds	X	X			20-50
Reptilia CLASS							
Crocodilla Order	23	crocodiles, alligators, caymens		X	X		40-80
Sphenodonta Order	2	tuataras			X		30
Squamata Order	7,900	lizards & snakes			X	X	20-85

Testudines Order	300	turtles & tortoises		X	X		28-70
Mamalia CLASS	5,800						
Carnivora ORDER	260	bears, cats			X		20-90
Chiropotera ORDER	1,100	bats	X		X	X	20-45
Rodentia ORDER	2,277	rats, mice, gophers, porcupine			X	X	20-75
Cetacea ORDER	88	whales, dophins & porpoise		X			40-99
Erinaceomorpha ORDER	24	hedgehog			X	X	
Artiodactyla ORDER	220	split hoove-pig,deer, camel,goats			X		30-86
Lagomorpha ORDER	65	hares, rabbits, pika			X	X	22-40
Perissodactyla ORDER	370	squirrel, woodchuck, chipmonk			X	X	18-30
Primates ORDER	530	Man, Apes, Monkeys, Lemurs		X	X	X	20-84