

ZOOL 10 - REVIEW OF ANIMAL PHYLA

cwh Sp96

PHYLUM	Number of Species	Habitats	Level of Complexity	Body Symmetry	Body Shape	Body Cavity	Pattern of Development	Sexual Reproduction
Protozoa	64,000	all habitats or parasitic	protoplasmic	variable	unicellular			fission (asexual), conjugation
Porifera	5,000	marine & freshwater	cellular	assymetrical	cell aggregate			serial monocious, panmixia, internal fertilization
Cnidaria	9,000	marine	tissue	radial	blind sac			dioecious, panmixia, external fertilization
Platyhelminthes	15,000	marine & terrestrial, parasitic	organ	bilateral	blind sac	(acoelomate)	protostome	monocious, mutual copulation, internal fertilization
Nematoda	12,000 - 500,000	all habitats or parasitic	organ system	bilateral	tube within tube	pseudocoel	protostome	dioecious, penile stylet, internal fertilization
Mollusca	50,000	all habitats	organ system	bilateral	tube within tube	coelom	protostome	dioecious, panmixia, internal fertilization
Annelida	15,000	marine & terrestrial, exoparasitic	organ system	bilateral	tube within tube	coelom	protostome	monocious or dioecious, panmixia or pseudocop., int. or ext. fertilization
Arthropoda	1,000,000	all habitats	organ system	bilateral	tube within tube	coelom	protostome	dioecious, packet or copulation, internal fertilization
Echinodermata	6,000	marine	organ system	radial	tube within tube	coelom	deuterostome	dioecious, panmixia, external fertilization
Chordata	50,000	all habitats	organ system	bilateral	tube within tube	coelom	deuterostome	monocious or dioecious, panmixia or copulation, ext. or int. fertilization