



Name _____

Period _____

KINGDOM ANIMALIA: ANIMALS, PAGE 1 OF 2

- I. All Animals are →**
- 1) Multicellular (Have many cells.)
 - 3) Eukaryotes (Cells have nuclei.)
 - 2) Heterotrophs (Feed on other.s)
 - 6) Have Asexual &/or Sexual Reproduction

- II. Most Animals have →**
- 4) Cellular Organization of Tissues, Organs and Systems
 - 5) The Capability of Complex Movement

	Phylum:	Summary of Characteristics:	Examples: Add 2+ Common Names from Classroom/Reference. Write where!	Facts: Add at least one WOW, fact.	Illustrations:** Add 1 Scientific Drawing from a Photos:
Invertebrates: No skeleton/backbone or bone or cartilage.	Sponges Phylum Porifera *Reference: Sponges	-Pores through body -No special shape -Loose cell organization -No digestive system -Cells move water, find food -- -Live attached to environment	-Sponges Reference _____	Reference _____	Magnified Sponge Fibers** Reference _____
	Stinging Animals: Phylum Cnidaria (Phylum Coelenterata) *Reference: Stinging Animals Hydra Movie Jellyfish Movie	-Radial Symmetry: wheel-like -Stinging Cells on tentacles around a mouth/ stomach -1- opening digestive system	-Hydras -Jellyfish -Corals -Anemones Reference _____	Reference _____	Hydra with Food** Reference _____
	Flatworms: Phylum Platyhelminthes *Reference: Parasites of Humans	-Flat bodies -Longer than wide...worms -Simple systems -1-opening digestive system -Most are parasites	-Tapeworms -Flukes -Planaria Reference _____	Reference _____	Planarian from Photo Reference _____
	Roundworms: Phylum Nematoda *Reference: Parasites of Humans	-Cylindrical (round) worms -Longer than wide.....worms -2 opening digestive system -Separate males & females	-Ascaris -Hookworms -Trichina worms -Heart worms Reference _____	Reference _____	Trichina embedded** Reference _____



		Phylum: Add Common Name:	Characteristics	Examples Add 2+ from Classroom	Facts Add	Illustration Add 1 Scientific Drawing
Invertebrates: No skeleton/backbone or bone or cartilage.	<i>Segmented Worms</i> Phylum Annelida		-Segmented bodies -Longer than wide...worms -Well organized systems -Hermaphrodites	-Earthworms -Leeches -Sandworms Reference _____	Reference _____	Reference _____
	<i>Spiny Skinned Animals:</i> Phylum Echinodermata		-Spiny skin -Radial Symmetry in 5 Sections around a Mouth and stomach	-Sea Stars (Starfish) -Sand Dollars -Sea Cucumbers -Sea Urchins Reference _____	Reference _____	Reference _____
	<i>Soft-bodied and Shelled Animals</i> Phylum Mollusca		-Soft body -Many have protective SHELL secreted by an organ called the mantle	-Snails and Slugs - (Gastropods) -Clams (Bivalves) -Octopus/Squids (Cephalopods) Reference _____	Reference _____	Reference _____
	<i>Jointed Legged Animals:</i> Phylum Arthropoda		-3 or more pair Jointed legs -Exoskeleton of chitin -Complex body systems -Sexes separate -Most abundant of animals	-Lobsters, Crayfish, Roly polys (Crustaceans) -Spiders (Arachnids) -Millipedes & Centipedes (Myriapods) -Insects (Hexapods) Reference _____	Reference _____	Reference _____
Vertebrates	<i>Stinging Animals:</i> Phylum Chordata Most are Vertebrates:		-Notochord or backbone in back made of bone or cartilage -Most complex of animals	-Cartilage & Boney Fish -Frogs and Salamanders (Amphibians) -Snakes and Lizards (Reptiles) -Birds (Aves) -Mammals (Mammalia) Reference _____	Reference _____	Reference _____