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# Animal phylums pdf worksheets full

Use index cards to draw the shape of one creature from each phyla. This is one of the simplest of the animal phyla. Earthworms are often a favorite first-dissection project in biology class because of their simple organs. On one side list the name of the species drawn. They traced the kingdom, phylum, class, order, family, genus, and species of dogs as they learned how the scientific classification of living things. Cnidaria are a little more complex than the porifera. As a fun incentive, you might offer to pay a quarter for each animal phyla they can list (without looking any up.) The majority of the animals they list, will be in the chordata phylum. MatchCard: Download below. These animals have complex organ systems functioning in different parts of their bodies. Euglena Coloring - color euglena; flagella, chloroplast, pellicle. . Kingdom Protista Concept Map - organize the types of protists by characteristic Protista Crossword - vocabulary; vacuole, paramecium, algae, malaria, etc Protozoa - article with questions Ameba & Paramecium Lab - view both specimens, compare and draw Ameba & Paramecium Virtual Lab - use image sets of flickr to view specimens Ameba Lab - 15 minute lab, observe the movements of the ameba Algae Lab - compare 3 types of algae: volvox, spirogyra, and euglena Biodiversity of Ponds - sample pond water; identify organisms (protists, arthropods, ect) Notes on Protists | Powerpoint on Protists Phylum Porifera & Phylum Cnidaria Simple Animals - a simple matching exercise, classify porifera, cnidaria, plathyelminthes, and nematoda Sponge Anatomy - sponge image; students label ameobocytes, collar cells, spicules. . Sponge Coloring - another anatomy page, color the structures Hydra Anatomy - hydra image; students label tentacles, cnidocytes, buds. . Hydra Lab - view a living hydra and observe its behavior Hydra and Other Cnidarians - article with questions Powerpoint on Sponges and Cnidarians (Coelenterates) Phylum Plathyelminthes & Nematoda Observation of a Planarian - view a live planarian and observe regeneration Simple Worms Lab - microscopic observations of rotifers, nematodes, schistosomes, and tapeworms Flatworms PPT | Roundworms PPT Planaria Article - description of a planaria, with questions Phylum Mollusca Squid Dissection - external and internal structures, using real squids Virtual Squid - online dissection photos for students to view, labeling and questions, makeup lab Mollusk Chart - compares cephalopods, gastropods, and bivalves Phylum Mollusca Powerpoint - Discusses characteristics of mollusks, types of mollusks Phylum Annelida Observation of a Live Earthworm - test an earthworm's response to light/dark, warm/cold, etc Earthworm Dissection - view the digestive, circulatory, and nervous system of a preserved earthworm Earthworm Labeling - practice labeling the organs of an earthworm Earthworm Virtual Lab - visit a website on earthworms and answer questions, can be used as a makeup lab Mollusk and Annelid Crossword Puzzle - basic terms and classification Phylum Annelida Powerpoint Phylum Arthropoda Arthropod Poetry - short riddles (poems) where students have to guess the associated vocab Arthropod Chart - students complete a chart outlining the characteristics of arthropod subphyla Arthropod Coloring - color and label the parts of various arthropods Daphnia Heart Rate - experiment requires live daphnia, exposed to ethanol and measure the heart rate Cicada Summer - observations and research on local cicadas, student design either real or virtual exhibit of a cicada species; only applicable during certain times of year Insect Web Quest - students create a website that showcases 3 species of insects Crayfish External Anatomy Crayfish Internal Anatomy Arthropods Powerpoint Phylum Echinodermata Article on Starfish | Starfish Labeling Phylum Chordata Fish Temperature Lab - investigate how the respiration rate of a fish changes with temperate; graphing Fish Temperature Make-up Lab - same as above, online version for students not in class Observation of a Living Fish - simple lab where students observe a fish in a beaker Amniote Egg Coloring - learn egg structures; yolk, allantois, amnion, chorion Reptiles Crossword Puzzle - this one focuses on the class reptilia and its four orders Observation of a Living Frog - a list of tasks and experiments to perform a live frog (toad), the frog is not injured or dissected Zoo-logical Dinosaurs - a logic puzzle about dinosaurs, mainly for fun Comparing a Human and Avian Skeleton - coloring and bone identification Bird Beaks and Feet - view pictures of birds, make inferences about their diet and habitat, includes ppt Birds and Reptiles Crossword Puzzle - using terms and vocabulary related to the reptile and aves class Animal Diversity Web - explore website, information on classes, orders and relationships Virtual Field Trip to the San Diego Zoo - explore the site, answer questions Animal Report - diagram to record information about a specific animal (research) Mammal Chart - fill in a chart on the mammal orders; write descriptions and relatives Designer Dogs - activity sheet on hybrids, mutts and designer dogs. Echinodermata means "spiny skinned". Find more information on MatchCard Science below. INSECTS, SPIDERS, CRAYFISH, and LOBSTERS are some of the animals in this very large and diverse phylum. FISH, MAMMALS, BIRDS, and REPTILES all have endoskeletons are in the chordata phylum. They reproduce by laying eggs. All the worms have Bilateral Symmetry. However, there cells have formed a distinct double layer, instead of just existing as a conglomeration of cells. The word "porifera" means "pores." Basically, it is a sac of cells with pores. It also has a few organs and simple systems. Click image to go to download. SNAILS, CLAMS and OYSTERS are among the many species of mollusca. The Animal Kingdom In MatchCard 8, students learned the world of living organisms was broken into two major (and several minor) kingdoms. Let's Get Started Before showing students the worksheet with the nine most common animal phyla, play a guessing game with your student(s). There are a total of thirteen zoology objectives and MatchCards for this unit which will take 6 to 8 weeks to complete. These animals have spinal cords and backbones. On the other side, list the phyla and one of its most common characteristics. These are the FLAT WORMS. The plathyelminthes have organs and simple systems. Give them a moment to look at the other phyla. Powerpoints on Chordates Intro to Chordates and Fish | Types of Fish | Amphibians | Reptiles | Order Squamata | Birds Mammals | Mammal Orders Animal Behavior Territorial Behavior in Crickets - mark and observe crickets as they interact with each other Isopod Behavior Lab (with lab report) - AP Lab 11 modified experiments with pill bugs Isopod Behavior Lab (no lab report) Animal Videos \*Videos for all major animal groups can be found at National Geographic Videos, a great resource for showing clips of animals you are discussing in class. Students use the animal phyla chart to match characteristics of the nine most common phyla to the description. Free Download Below MatchCard Science Animal Phyla Worksheet Objective: Compare nine different animal phyla from simplest to most complex. . SPONGES are the best known organisms in the porifera phylum. CORAL, HYDRA and JELLYFISH are examples of the cnidaria. This writer remembers the day when people used real sponges in their kitchen. Top of This Page A phylum is the next category beneath kingdom. Most biology textbooks are organized by phyla with chapters covering topics such as "reptiles" or "mammals". This collection includes various worksheets related to animal groups. This is MatchCard #10 of the Zoology Unit Study. Look at a synthetic kitchen sponge. Students can make a simple mobile of the nine most common animal phyla. Vertebrata is a sub-phylum of chordata, with three other sub-phylum of creatures that have spinal cords but not vertebrae. Introductory Animal Symmetry - identify types of symmetry Animal Kingdom Survey Lab - introductory lab, specimens Animal Phyla Matching - match the phylum to pictures and descriptions Characteristics of Life - make a concept map Notes: Introduction to the Animal Kingdom Intro Animals powerpoint Kingdom Protista Ameba Coloring - color the structures of an ameba; pseudopodia, vacuole, nucleus. They have segmented bodies with the cylinder divided into ringed sections. They can grown new body parts to reproduce. And just to get it straight, phyla is the plural for phylum. The Dog Whisperer - a flow chart guide that will work with any episode of Cesar Milan's show But the majority of the chordata are vertebrata with hard endoskeletons. ROUND WORMS make up the nematoda phylum. The arthropoda have exoskeletons - which provide firm support to their organs, body parts, and joints. From microscopic protozoa to elephants and whales, learn more about the animals on this planet with the MatchCard Science Zoology Unit Study. For simplicity, if they name an animal, such as jellyfish which is in the cnidaria phylum, I count that. These animals have radial symmetry, which means their organs are arranged around the center of the animal, like spokes around a wheel. Almost everyone enjoys watching lobsters or crayfish in a tank. Like the other worms, they have bilateral symmetry. They were all the same color. They have no distinct organs. This might be done over lunch-time, during a car ride, or other activity that may take 15 or 20 minutes. Mollusca means "soft-bodied." The majority have a hard shell on the outside. Like the porifera, they have no organs. Their body consists of a simple cylinder shape with bilateral symmetry. Arthropoda means "joint feet." These creatures contain different sections of their body that are connected by joints. Most of the creatures we consider "animals" exist within the chordata phylum. More than 30 animal phyla have been identified, but these nine have more than 10,000 species in each. STARFISH and SAND DOLLARS are good examples of the echinodermata. They are interesting to study and can be used for craft projects as well. Tell them they will learn about the most common nine phyla. It is an easy way to visually see the different joints without using a magnifying glass. You may be able to find them with a field trip to the ocean beach (if you are so conveniently located.) Non-living specimens may be found at local craft shops or aquarium shops. Some of the others may have less than ten. MatchCard Information Pieces define and describe the following phyla: porifera, cnidaria, plathyelminthes, nematoda, annelida, mollusca, echinodermata, arthropods, chordata. The symmetry demonstrates increasing complexity of cellular structures. The mollusca are soft-bodied animals. Are any familiar? The organs in the segmented worms are contained in a middle layer of the body. These animals are interesting to examine and to feel the textures. These sea animals stay attached to a rock or the bottom of the sea. They consist of a tube with flat bottom. Show them the student copy of the animal phyla chart and where the animals they named would fit. They are composed of two layers of cells that form a hollow sac and has a single opening for food to enter and waste to leave. This is a good time to review this lesson before learning more details of the animal kingdom. The annelida are the most complex of the worms. But if they guess any other animals in that phylum, tell them the name but they don't get further credit. Paramecium Coloring - color paramecium, vacuole, mouth pore, macronucleus, cilia. EARTHWORMS and LEECHES are popular members of the annelida phylum. Tell the student(s) how many phyla they were able to name. The porifera are multi-celled sea animals whose cells are all alike. There is no cellular differentiation. \*\*Dissection Worksheets are available for frogs, rats, bullfrogs and other chordates. Go ahead and tell them the scientific name. Which would you prefer to use?

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