

Name:

Date: Block:

 To research the following animal phyla and present your findings in the form

of ten (10) original baseball cards.



Card #1 - Phylum Porifera

Card #2 - Phylum Cnidaria

Card #3 - Phylum Platyhelminthes

Card #4 - Phylum Nematode

Card #5 - Phylum Annelida

Card #6 - Phylum Moliusca

Card #7 - Phylum Echinodermata

Card #8 - Phylum Arthropoda

Card #9 - Phylum Chordata



Cardboard - looks like a baseball card

( Recommended size: 4.25" x 5.5")

Clearly labelled; identifiable

Neatly typed/printed information

Creative, professional, colourful

Labelled picture(s) of a representative phylum member included

Information may be written on both sides of the card

THE STATS:

Include clear and concise written summaries and / or lists that correctly use and explain the

appropriate animal vocabulary words learned in class.

Unifying Characteristics - guiding Questions; What organisms belong to the

phylum? Hmmmmm…… What characteristics do all members of the phylum have in

common? For example; Type of symmetry?

Feeding - Guiding Questions: How do the members of the phylum obtain their

food? Do they possess any special adaptations? What do the animals eat? What

kind of digestion do they perform? What organs make up their digestive systems?

How do they digest their food? Describe and explain.

Respiration - Guiding Questions: What organs make up the respiration system?

How do they work? How do living cells obtain oxygen and give off carbon dioxide?

Describe and explain.

Circulation - Guiding Questions: What kind of circulatory system do the

members of the phylum possess? How does it work? How do the animals carry

oxygen, nutrients, and waste products to and from the cells within their bodies?

Describe and explain.

Excretion and Elimination- Guiding Questions: What organs make up the

excretory system? How do the animals rid themselves of nitrogenous wastes?

wastes produced during cellular respiration? undigested food? Describe and

explain.

Response - Guiding Questions:. How do the nervous system and sense organs

function? Do the members of the phylum possess any unique senses? special

adaptations used to capture prey or escape predators? Describe and explain.

Musculo-skeletal system- Guiding Questions: Are the animals motile or sessile?

What kind of skeleton do the members of the phylum possess? How do the

animals move? What systems are involved? How are the animal's musculo¬

skeletal systems arranged? Describe and explain.

Reproduction - Guiding Questions: How do the members of the phylum carry out

reproduction? fertilization? birth? What reproductive strategies do the organisms use

 to ensure a high level of fitness? Describe and explain.

Role in their environment -

Use the terms below to describe the following body plans and body systems:

Body Plans: Asymmetrical, Bilateral symmetry, or Radial symmetry

Acoelomate, Pseudocoelomate, Coelomate

Feeding: Diffusion, Extracellular, Gastrovascular or Intercellular

Respiration: Diffusion, Book gills. Book lungs, Gills, Lungs, or Tracheal tube

Circulation: Closed circulatory system. Diffusion, Open circulatory system

Excretion: Diffusion, Flame cells. Kidneys, Malpighian tubules or Nephridia

Response: Nerve Net, Cephalization, none

Musculo-skeletal:: Motile, Sessile, Endoskeleton, Exoskeleton, Hydrostatic, or None

Reproduction: Asexual (Budding, Regeneration)

Sexual (External /Internal) Note if they can be a hermaphrodite/