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## **ANIMAL PHYLA CHARACTERISTICS**

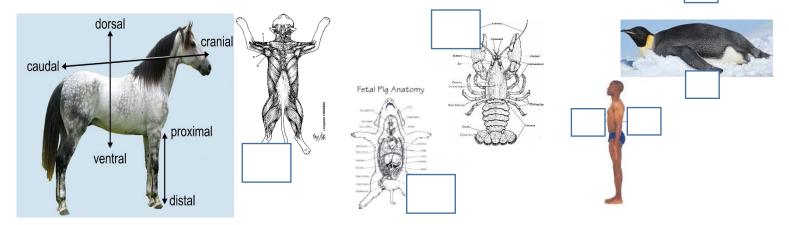
You may need to "research" this information to answer the questions.

## **Answer the Following questions about the Animal Kingdom:**

1. What are 9 phylums that fall under the animal kingdom?

a.	d	<u>Nematoda</u>	g		
b.	e.		h.		
c.	f.		i.	Chordata	

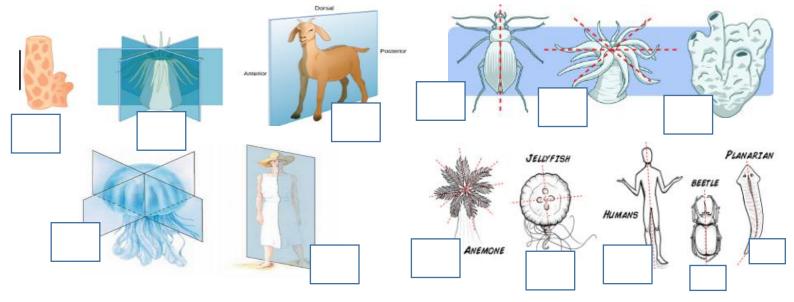
2. What is the difference between dorsal and ventral sides to an organism? Looking at the picture of the horse as a reference, label (D) for the dorsal (on the backside) and (V) for the ventral (on the stomach side) sides on the other animals.



Symmetry is a "balance". Something with symmetry has similar parts facing each other or around an axis. A car has bilateral symmetry, a daisy has radial symmetry and a crumpled paper bag has asymmetry.

- 3. What are the different types of symmetry? There are three main types of symmetry in the animal kingdom. They are:
  - Asymmetry (no symmetrical at any point), abbreviate as (A)
  - Radial (symmetrical like a pizza, in a circular form at the center point), abbreviate as (R)
  - Bilateral (symmetrical on one line. If sliced in half, both sides would look the same) (B).

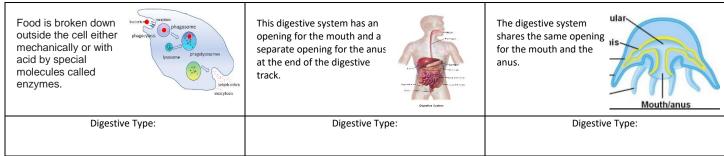
Match the description with the types of symmetry.



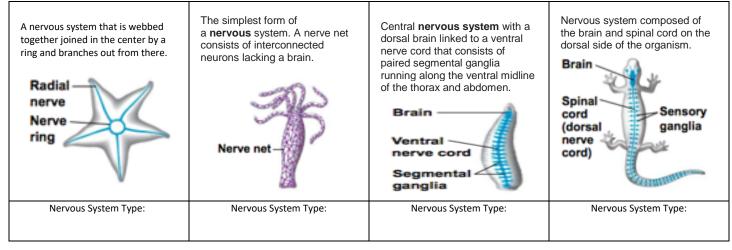
4.	There are three different	types of ske	eletal systems within the anim	mal kingdom	. They are exoskeleto	<b>n, endoskeleton</b> and
	hydroskeleton. Match the	e descriptio	n with the skeletal system ty	pes.		
	The internal skeleton; bony and cartilaginous structure (especially of vertebrates).A		A skeleton that consists of water-filled body cavities controlled by muscles.		Hard shell like external skeleton that supports and protects an animal's body	

The internal skeleton; bony and cartilaginous structure (especially of vertebrates).A skeletal structure internal to an organism	A skeleton that consists of water-filled body cavities controlled by muscles.	Hard shell like external skeleton that supports and protects an animal's body
Skeleton Type:	Skeleton Type:	Skeleton Type:

5. There are three different types of digestive systems within the animal kingdom. They are **extracellular**, **incomplete** and **complete**. Match the description with the digestive system types.



6. There are four main types of nervous systems within the animal kingdom. They are **Dorsal (central nervous system)**, **Ventral**, **Net**, **Ring**). Match the description with the nervous system types.



7. This is a picture of an octopus. Describe at least 3 examples of its external features (features that describe the phenotypes)?

