Gr 11 Animal diversity

1. How is a phylum defined? *

- ◯ A group of organisms that have similar body plan
- ◯ A group of organisms that are related through evolution
- ◯ Both of the above
- ◯ None of the above

2. Look at the images below, what type of symmetry do they all display? *



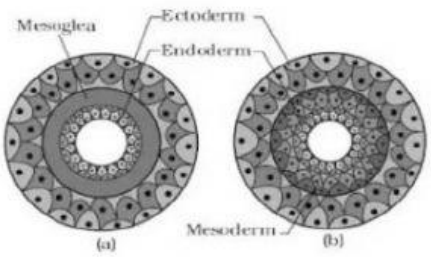
- ◯ Radial
- ◯ Bilateral
- ◯ Asymmetrical

3. Which of the following is an advantage of having a through gut? *

- ◯ Ingested food does not mix with egested waste
- ◯ Digestion is a continuous process
- ◯ Peristalsis through the digestive tract can function independently to the body wall
- ◯ All of the above

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4. Which of the following images represents a triploblastic body plan? *



- ◯ Image a
- ◯ Image b
- ◯ Both
- ◯ Neither

5. Which of the following is a disadvantage of being a coelomate? *

- ◯ Digestive tract and body wall can function independently
- ◯ Coelom acts as a hydrostatic skeleton
- ◯ Coelomic fluid acts as a transport medium for nutrients, gases and wastes
- ◯ None of the above

6. Which phylum do the following organisms belong to? *



- ◯ Cnidaria
- ◯ Platyhelminthes
- ◯ Chordata
- ◯ Porifera

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7. Which phylum has all of the following characteristics regarding body plan? It is bilaterally symmetrical, displays cephalisation, has a hydrostatic skeleton, one opening to the gut and is a triploblast. *

- ◯ Chordata
- ◯ Cnidaria
- ◯ Platyhelminthes
- ◯ Annelida

8. Which phylum has a through gut, segmentation, is bilaterally symmetrical, has an external skeleton, a small coelom and a vertral nerve chord? *

- ◯ Chordata
- ◯ Anthropoda
- ◯ Annelids
- ◯ Crustaceans

9. Which phylum to the following organisms belong to? *



- ◯ Annelida
- ◯ Worms
- ◯ Annelids
- ◯ Platyhelminthes

10. Which phylum is described here? The organisms in this phylum are diverse but all display cephalisation, have a through gut, and are coelomates with endoskeletons. They are ubiquitous triploblasts with advanced nervous systems. *

- ◯ Chordata
- ◯ Mammals
- ◯ Crustaceans
- ◯ Anthropoda

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