A.P. Biology Bowl Question Bank

- Many biologists think that a phylogenetic relationship exists between annelid worms and mollusks because both animals
 - W. possess a segmented body
 - X. Possess a centrally located visceral mass
 - Y. Feature a ciliated larva called a trochaphore in their life cycles
 - Z. Display cephalization
- 2. Which of the following functional groups represents a product of fermentation
 - W. Carbonyl group C=O
 - X. Hydroxyl group -OH
 - Y. Sulfhydryl group S-H
 - Z. Carboxyl group -COOH
- 3. The rise of water in a plant stem is due primarily to
 - W. Hydrotropism and companion cells
 - X. Photolysis and chemiosmosis
 - Y. Turgor pressure and membrane potential
 - Z. Cohesion and transpiration
- 4. Which of the following correctly describes retroviruses?
 - W. They reproduce only in the cells of epithelial tissue
 - X. They transfer genetic information from the RNA to the DNA of the cell
 - Y. They lock the enzyme reverse transcriptose
 - Z. They transfer genetic information from their RNA to the ribosome in a cell
- Some taxonomists have proposed adding a new taxon to the modern system of of biological classification that includes viruses. The inclusion of the new taxon is based on
 - W. The chemical nature of the capsids
 - X. Similarities in RNA nucleotides
 - Y. Differences in glycoproteins that envelop capsids
 - Z. Their ability to alternate between hosts species
- 6. A hormone involved in digestion is
 - W. Cholecystokinin
 - X. Enterokinase
 - Y. Vasopressin
 - Z. Enkephalin.

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Peipei Pang

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