

Just for Fun

some review multiple choice questions

child = blood type A
mother = blood type B

Select the best answer.

1. In mammals, which of the following substances is produced in muscle that operates anaerobically?

- a. acetyl coA
- b. citrate
- c. NADPH
- d. lactate
- e. oxygen

2. An animal with anterior, posterior, dorsal and ventral surfaces on its body must exhibit ____.

- a. protostomic development
- b. coelomate development
- c. segmentation
- d. radial symmetry
- e. bilateral symmetry

3. A common feature of starch and glycogen is that molecules of both ____.

- a. form microfibrils that give support to connective tissue fibers
- b. contain repeated monomers of glucose and galactose
- c. are important structural components of plant cell walls
- d. are polymers of glucose
- e. are water-soluble disaccharides

4. Which of the following can be diagnosed by examining a karyotype of an individual's white blood cells?

- a. sickle cell anemia
- b. Alzheimer disease
- c. Down syndrome
- d. cystic fibrosis
- e. Duchenne muscular dystrophy

5. The father must have which of the following blood types?

- a. AB only
- b. either AB or B
- c. either AB or O
- d. either AB or A
- e. AB or A or O

6. If organisms A, B and C belong to the same order but to different families and if organisms D, E and F belong to the same family but to different genera, which of the following pairs of organisms would be expected to show the greatest degree of structural homology?

- a. A and B
- b. A and C
- c. B and D
- d. C and F
- e. E and F

Matching:

- a) deciduous forest
- b) tropical rainforest
- c) desert
- d) tundra
- e) taiga

___7. Long, cold moist winters and short summers are typical of this biome dominated by gymnosperms.

___8. A prolonged, relatively mild period with ample precipitation alternates with a cold period when plants become dormant.

___9. This biome has the greatest diversity of species.

___10. This biome is dominated by dwarf shrubs, grasses, and sedges that can tolerate long, dark winters.