

8. Which TWO of the following definitions are CORRECT?

- (a) A mutation is a mistake in DNA copying machinery
- (b) A mutation is a change in an allele due to alterations in the DNA molecule
- (c) A mutation is a change in gene frequencies due to exchange of genes between different populations
- (d) A mutation is a product of natural selection
- (e) A mutation is all of the above

9. Which TWO are NOT examples of evolutionary bad designs?

- (a) testicles
- (b) flounders
- (c) ostrich wings
- (d) human female hips
- (e) the coccyx bone

10. Links between organisms that show branching pattern of evolutionary relationships are shown by _____. (One only)

- (a) The fossil record
- (b) Comparative embryology
- (c) Phylogenetic trees
- (d) Developmental biology
- (e) Spider diagrams