Biology worksheet Evolution questions grade 12

Choose

1. In mosquito the second generation hybrid offspring have abnormal genitalia that make mating difficult. This can be an example for

A) hybrid inviability B) hybrid infertility C) hybrid breakdown D) gamete break down

2. The mating between two species A and species B gave birth. However, the offspring cannot reproduce. This could be due to

A) mechanical isolation B) temporal isolation C) hybrid isolation D) hybrid infertility

3. Two plant bloom differently in a year. This resulted gamete exchange impossible between them. The mechanism of isolation of this type is called

A) temporal isolation B) habitat isolation C) mechanical isolation D) physical isolation

4. Which of the following species has larger brain size?

A) *Homo erectus* B) *Homo habilis* C) *Australopithecus* D) *Ramapithecus*

5. Which of the following is NOT the advantage of large brain in humans?

A) plan in advance to avoid attack B) run faster in more up right posture

C) develop and use tools and weapons D) presence of horizontal spine

6. Which of the following statement is TRUE?

A) resting energy is the energy you burn at extensive activity

B) high resting metabolic rate can help live healthier and longer

C) the energy needed when actually using the body to move is called survival energy

D) the brain of homo sapiens uses less resting energy when compared with great ape

7. Any movement of genetic material carried in individuals from one population to another is called

A) drift B) polyploidy C) aneuploidy D) gene migtration

8. Which of the following is NOT a reason for mutation? Mutation results from

A) error during ribosomal replication C) exposure to mutagenic agents

B) error during cell division D) exposure to radiations

9. If the reason of mutation is identified, the type of mutation is called

A) spontaneous mutation B) substitution mutation C) induced mutation D) point mutation

10. Which of the following is NOT the advantage of chromosomal mutation?

A) resistance against certain pathogens B) they result in genetic disorders

C) they are raw materials for evolution D) allow the organism survival and diversity

11. Which of the following is the FALSE of genetic drift?

A) it causes gene variants to disappear B) it reduces genetic variations

C) initial rare alleles become much more frequent D) it occurs in large population size

12. Which of the following occurs when a small group of individuals break off from large population? A) genetic drift B) the bottle neck effect C) the founder effect D) gene migration

13. The common ancestor of modern human and chimpanzees lived about

A) 2 million years ago B) 4 million years ago C) 6 million years ago D) 8 million years ago

14. It is true to say that modern humans are

A) hominines B) hominids C) primates D) apes

15. The human races are now less likely to evolve into separate species because

A) human are able to travel freely across the globe

B) human are dependent on changes on the environment

C) interbreeding between different human races is difficult

D) offspring formed from different races cannot survive