

Quiz questions – Variation and Classification

1. If two organisms can produce fertile offspring together, we say they belong to the same:
 - A. Family
 - B. Variety
 - C. Species
 - D. Animal

C. Species
2. Differences between organisms in a species are described as variation. Which of the following would you describe as continuous variation?
 - A. Weight
 - B. Eye colour
 - C. Hair colour
 - D. Sex

A. Weight
3. Which of these is an example of genetic variation only?
 - A. Blood group
 - B. Scars
 - C. Being able to speak a foreign language
 - D. Weight

C. Blood group
4. Which of the following could be described as inherited as well as environmental variation?
 - A. Gender
 - B. Hand span
 - C. Eye colour
 - D. Height

D. Height
5. Which is the prey? Pondweed → pond snail → perch
 - A. Pondweed
 - B. Pond snail
 - C. Perch
 - D. None of them

B. Pond snail

6. What adaptation do some prey use to protect them from being seen by their predators?
- A. Invisibility
 - B. Running
 - C. Camouflage
 - D. Parenting
- C. Camouflage
7. Which of the following is a vertebrate?
- A. Starfish
 - B. Hamster
 - C. Bee
 - D. Octopus
- B. Hamster
8. Which of the following is an invertebrate?
- A. Crab
 - B. Fish
 - C. Seal
 - D. Whale
- A. Crab
9. Which of the following is not a feature that is only true of a mammal?
- A. Babies develop inside the mother's body
 - B. The mother feeds her young on milk made in her mammary glands
 - C. They breathe air
 - D. They have fur or hair on their skin
- C. They breathe air
10. In which of the following vertebrate groups would you place a whale?
- A. Fish
 - B. Reptile
 - C. Amphibian
 - D. Mammal
- D. Mammal

11. Which of the following descriptions can be applied to both amphibians and fish?
- A. They have gills to breathe through
 - B. They have smooth moist skin
 - C. They lay eggs in water
 - D. They have scales and fins
- C. They lay eggs in water
12. Which of the invertebrate groups does a tarantula belong to?
- A. Insect
 - B. Crustaceans
 - C. Arachnid
 - D. Mollusc
- C. Arachnid
13. An animal with a soft muscular body with one foot belongs to which of the following invertebrate groups?
- A. Jellyfish
 - B. Flatworms
 - C. Crustaceans
 - D. Molluscs
- D. Molluscs
14. Which of the following is the odd one out?
- A. Butterfly
 - B. Bee
 - C. Bat
 - D. Wasp
- C. Bat
15. Which group of animals would prefer a habitat which is shady, damp and near ponds streams or ditches?
- A. Insects
 - B. Mammals
 - C. Amphibians
 - D. Reptiles
- C. Amphibians

16. Why is a dolphin not a fish?
- A. It has gills
 - B. It has scales on its skin
 - C. It can jump out of the water
 - D. It gives birth to live young
- D. It gives birth to live young
17. Which of the following is a mammal?
- A. Bat
 - B. Shark
 - C. Adder
 - D. All of the above
- A. Bat
18. Which of the following adaptations helps a polar bear to be a good predator?
- A. It has white fur for camouflage
 - B. It is powerful and has large paws
 - C. It has sharp teeth
 - D. All of the above
- D. All of the above
19. Fingerprints in humans are an example of:
- A. Inheritance
 - B. Variation
 - C. Adaptation
 - D. Specialisation
- B. Variation
20. Which type of variation can be presented as a line graph?
- A. Continuous
 - B. Genetic
 - C. Discontinuous
 - D. Adapted
- A. Continuous