Answers

Multiple Alleles ABO Quiz 6B

1. An individual's ABO blood type is normally determined by:
   a. Genetic inheritance and environmental influences during life
   b. Environmental influences alone
   c. The inheritance of 1 of 3 possible alleles (A, B, or O) from each parent

2. In the ABO blood system, you normally can be type
   a. AB, A, B, O
   b. ABO
   c. AB, A, B
   d. AB

3. The universal blood donors for the ABO system are type:
   a. AB
   b. A
   c. B
   d. O

4. In determining the phenotype for the ABO blood system:
   a. O is dominant over A
   b. B is dominant over A
   c. O is recessive
   d. all of the above

5. If one of your parents is blood type A and the other is type B, which of the following blood types would you likely be?
   a. AB
   b. B
   c. O
   d. A

6. Which blood type can be transfused to an individual whose blood type is unknown?
   a. AB
   b. B
   c. A
   d. O

7. A classical example of codominance is
   a. Blood Type O
   b. Blood Type A
   c. Blood Type B
   d. Blood Type AB
Answers

8. Could a man with type O blood and a Woman with type AB blood produce a child with type O blood?
   a. Not Possible
   b. Possible

9. A mother of known blood type A has a child whose blood turns out to be B. From this it follows that the mother:
   a. is heterozygous for the trait
   b. must really have the blood type AB
   c. is homozygous dominant for the trait
   d. could have several possible genotypes

10. A person with the blood type AB likely could safely receive a transfusion of a pint of which of the following blood types?
    a. Type A only
    b. Type AB only
    c. Type B only
    d. Type O only
    e. Types AB or O only
    f. Types A or B only
    g. Types A, AB or B only
    h. Types A, AB, B, or O

11. A person with antigen B on their red blood cells will have ________ blood type.
    a. AB
    b. B
    c. A
    d. O

12. A person with antibody AB on their Plasma will have ________ blood type.
    a. AB
    b. B
    c. A
    d. O

13. A person with antigen AB on their red blood cells will have ________ antibody
    a. AB
    b. B
    c. A
    d. All
    e. None