Name: _____
Grade and Section: _____

Science 10 Quiz

Read and analyze each question. Encode the letter of the correct answer.

1. How many genotypes are possible for a person with blood type A?
   a. 2 possible genotypes, namely I^AI^A and of I^Ai.
   b. 1 possible genotype, which is I^AI^A.
   c. 3 possbile genotypes, namely I^Ai, I^AI^A, and I^AI^B
   d. None of the above.

2. What is the phenotype of a person with genotype I^Ai?
   a. Blood type B
   b. Blood type A
   c. Blood type O
   d. Blood type AB

3. What is the phenotype of I^AI^B?
   a. Blood type A
   b. Blood type B
   c. Blood type AB
   d. Blood type O.

4. If i is combined with any of the other alleles, will it be physically expressed?
   a. Yes
   b. No
   c. Yes and No
   d. None of the above

5. Can a couple with both husband and wife having blood type A, produce a child with blood type O?
   a. Yes, provided that they have heterozygous genotype, I^Ai.
   b. No, they will not produce a child with blood type O since they are both blood type A.
   c. No, they will not have a child.
   d. None of the above.

LIVEWORKSHEETS