

Name:	ID:	Circle Gender & Grade: Male or Female 6 7 8 9 10 11 12			
Teacher:	Class Period:	Subject:	Date:		

Born of Blood: Inheritance of Blood Types, Part 4
Pilot Pre/Post Test – ANSWER SHEET

*For each item, carefully color in the circle with the letter that corresponds to the answer you choose.
 You may use available white space for sketches or calculations as needed.*

1. (A) (B) (C)
2. (A) (B) (C)
3. (A) (B) (C)
4. (A) (B) (C)
5. (A) (B) (C)
6. (A) (B) (C)
7. (A) (B) (C)
8. (A) (B) (C)
9. (A) (B) (C)
10. (A) (B) (C)
11. (A) (B) (C)
12. (A) (B) (C) (D)
13. (A) (B) (C) (D)
14. (A) (B) (C) (D)

PRE

Name:	ID:	Circle Gender & Grade: Male or Female 6 7 8 9 10 11 12			
Teacher:	Class Period:	Subject:	Date:		

Born of Blood: Inheritance of Blood Types, Part 4
Pilot Pre/Post Test – ANSWER SHEET

*For each item, carefully color in the circle with the letter that corresponds to the answer you choose.
 You may use available white space for sketches or calculations as needed.*

1. (A) (B) (C)
2. (A) (B) (C)
3. (A) (B) (C)
4. (A) (B) (C)
5. (A) (B) (C)
6. (A) (B) (C)
7. (A) (B) (C)
8. (A) (B) (C)
9. (A) (B) (C)
10. (A) (B) (C)
11. (A) (B) (C)
12. (A) (B) (C) (D)
13. (A) (B) (C) (D)
14. (A) (B) (C) (D)

POST

Born of Blood: Inheritance of Blood Types, Activity 3C, Part 4
Pilot Pre/PostTest – Answer Key

1. In the model described, the two pieces of curling ribbon represent a
 - a. chromosome pair (dyad).
2. In this same curling ribbon model, what does the sticky dot represent?
 - b. kinetochore
3. The blood type gene is found on the ____ of chromosome 9.
 - b. long arm
4. The genes that code for blood type are found on the
 - a. chromosomes of most body cells.
5. When any one of the ABO genes is present, it is expressed; thus the ABO genes are ____ genes.
 - c. co-dominant
6. In which blood type are the “H” antigens on human red blood cells left unchanged?
 - c. O
7. In the case of AB blood type, the “H” antigens on human red blood cells have been changed into
 - c. “A” and “B” antigens.
8. The presence of a B gene and an O gene yield type B blood because the “H” antigens on the red blood cells are changed by the type B gene, thus expressing only the
 - b. B gene.
9. What is the blood type of a child who inherited a gene for blood type A from its mother and a gene for blood type O from its father?
 - a. type A
10. What are the possible blood types of children born to a father with type AB blood and a mother with type A blood (an A gene and an O gene present)?
 - a. Types A, AB, B
11. It is possible for parents who both have type A blood to have a child who is type O if both parents have
 - b. one type A gene and one type O gene.
12. What are the possible blood types of children born to parents who both have type O blood?
 - d. type O
13. What are the possible blood types of children born to a mother with **type A** blood (AA) and a father with **type B** blood (BB)?
 - c. type AB
14. Examine the Punnett Square drawn on the right. What are the possible blood types of children born to this couple?
 - b. types AB, B