| e-Riood                  | Types Work   | sneet Nam  | ie:   | Date:   | Per:          |
|--------------------------|--|--|---|---|---------------|
| Human bla                | ad tunas ana data  | anminad by a   | canas that follow the CC                              | DDOMINANCE pattern of inh   | anitanca      |
| There are                | two dominant alle  | eles (I <sup>A</sup> and                             | I <sup>B</sup> ) and one recessive al                 | lele (i).   | errance.      |
|                          | Blood Type<br>(Phenotype)                                | Genotype   | Can donate blood to:                                  | Can receive blood from:   |               |
|                          | 0  | ii   | A,B,AB and O<br>(universal donor)                     | 0   |               |
|                          | AB   | I <sub>V</sub> I <sub>B</sub>                        | O, AB   | A,B,AB and O (universal receiver)   |               |
|                          | Α  | I <sup>A</sup> I <sup>A</sup><br>or I <sup>A</sup> i | AB, A   | O,A   |               |
|                          | В  | I <sup>B</sup> I <sup>B</sup><br>or I <sup>B</sup> i | AB,B  | O,B   |               |
| 1. Wr                    | ite the genotype   |  | rson based on the descr                               | ription:  |               |
| b.<br>c.<br>d.<br>2. Pre |  | or the "A" a<br>ad a type "O'<br>itt is homozy       | llele f.<br>g.<br>'parent                             | Type "AB" Blood can be donated to any Can only get blood from a ty ele, and Angelina Jolie is type                              | /pe "O" donor |
|                          | w a Punnett squa<br>mother and an a                      |  |   | pes for the offspring produce   | d by a type   |
| and                      | Luke. Mark is ty<br>a. Mr. Clink mus<br>b. Mrs. Clink mu | pe "O," Matt<br>t have the g<br>st have the          | thew is type "A," and Lu<br>enotype<br>genotype becau | ve three children named Matt<br>ke is type "AB." Based on this<br>use has blood <sup>.</sup><br>ise neither parent has the alle | information:  |
| tec<br>and               |  | exist yet. 7<br>ood type "B."<br>otype:<br>otype:    | The mother has blood ty                               | ital. Its 1968, so DNA fingerp<br>pe "O," the father has blood  |               |