

CH 114 Blood Typing Introduction:

- Go to http://www.biology.arizona.edu/human_bio/human_bio.html
- Click on Blood Types at the top of the page
- Read each section (listed on the left side of the screen) and answer the questions below

1) Define allele. What are the three human blood type alleles?

2) Define genotype. What are the human blood genotypes (6 total)?

3) For each human blood type (= phenotype), list the possible genotypes.

4) On the blood type calculator, enter and record below a blood type for a child, and a blood type for a parent. What are the possible blood types for the other parent? Record the results below. Enter a different second set of blood types for parent and child.

- 5) If Parent 1 has blood type O and Parent 2 has blood type A, what possible blood types could their child have?
- 6) Pick two different blood types for each parent and record the possible blood types for the child. Also record the parent's blood types.
- 7) What is the Rh factor? List all possible genotypes for each phenotype.
- 8) Now include the Rh factor. If one parent is A+ and the other is AB-, what blood types could the child have? Enter the blood type with Rh factor in the calculator and record the results.
- 9) The final page lists six questions. Pick two and record answers below. Please list the question #s.