

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Life Science Notes 14 Blood Type

## Multiple Alleles

- Eventually, researchers found that some traits have more than two alleles for a gene controlling a particular trait.
- Results for these crosses can be very confusing. Sometimes you will have more than one dominant allele mixed in with recessive alleles.
- The classic example is blood type.
- There are 4 main blood types:

- A
- B
- AB
- O

- The A allele and the B allele are both dominant while the O allele is recessive.

- We use <sup>A</sup>~~A~~ to represent the A allele, B to represent the B allele and O to represent the O allele.

	<sup>A</sup> A	<sup>A</sup> A
<sup>B</sup> B	AB	AB
<sup>B</sup> B	AB	AB

	<sup>A</sup> A	<sup>O</sup> O
<sup>B</sup> B	AB	Bo
<sup>O</sup> O	AO	OO

→ Blood type A



Blood type B