Diagram

Description automatically generatedDiagram

Description automatically generated

RW plants

What are the possible alleles?

What are the possible genotypes?

Graphical user interface

Description automatically generated

Text

Description automatically generated with low confidenceDiagram

Description automatically generated

What are the possible genotypes?

What are the possible alleles?

In these situations, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is often thought of as each allele being \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ expressed.

Cattle’s fur colour can be red (RR), white (WW) or roan (RW). Predict the phenotypic ratios of offspring when a homozygous white cow is crossed with a roan bull.

Another good example is a \_\_\_\_\_\_\_\_\_\_ cow that shows \_\_\_\_\_\_\_\_\_\_\_ amounts of red and white fur.

**Blood Types:**

* Another great example of \_\_\_\_\_\_\_\_\_\_\_\_\_ is the inheritance of \_\_\_\_\_\_\_\_\_\_\_ type.
* When the allele for type “\_\_\_\_\_” blood (\_\_\_\_) is crossed with an allele for type “\_\_\_\_\_” blood (\_\_\_\_\_\_\_\_) the phenotype of the person is type “\_\_\_\_\_” blood and their genotype is \_\_\_\_\_\_\_.

What should the genotypes and phenotypes for parent cattle be if a farmer wanted only cattle with red fur?