

$A$

$\Omega$

$B$

$A-B$

A Venn diagram illustrating the relationship between two sets,  $A$  and  $B$ , within a universal set  $\Omega$ . The universal set  $\Omega$  is represented by the entire rectangular frame. Set  $A$  is the left oval, and set  $B$  is the right oval. The region of set  $A$  that does not overlap with set  $B$  is shaded gray and labeled  $A-B$ . The intersection of sets  $A$  and  $B$  is the unshaded white region where the two ovals overlap. The label  $A$  is positioned to the left of the oval,  $B$  is to the right, and  $\Omega$  is in the top right corner.