

A

B

$A \cup B$



A Venn diagram illustrating the union of two overlapping sets, A and B . The diagram consists of two overlapping circles, both filled with a solid red color. The left circle is labeled A in the top-left corner, and the right circle is labeled B in the top-right corner. The intersection of the two circles is labeled $A \cup B$ in the center. The entire diagram is enclosed within a black rectangular border.