

\mathcal{U}

A

B

$B \setminus A$



A Venn diagram illustrating the set difference $B \setminus A$. The universal set \mathcal{U} is represented by the background. Two overlapping circles, A and B , are shown. Circle A is on the left and is unshaded. Circle B is on the right and is partially shaded. The region of circle B that does not overlap with circle A is shaded in bright green. This shaded region is labeled $B \setminus A$.