

$\mathcal{U}$

$A$

$B$

$B \setminus A$



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 white. Circle  $B$  is on the right and is partially shaded green. The region of circle  $B$  that does not overlap with circle  $A$  is shaded green and labeled  $B \setminus A$ .