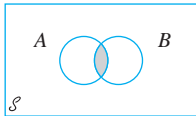
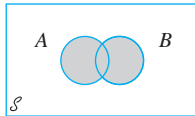


(a) Venn diagram of events  $A$  and  $B$



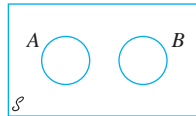
(b) Shaded region is  $A \cap B$



(c) Shaded region is  $A \cup B$



(d) Shaded region is  $A'$



(e) Mutually exclusive events

**Figure 2.1** Venn diagrams