FIGURE 28.10. (*A*) If there is more than one stable equilibrium, then where the population ends up depends on its initial state. The diagram shows two stable equilibria (*purple dots*) separated by an unstable equilibrium (*red dot*). The dotted line separates the **domains of attraction** of the two stable equilibria. (*B*) There may be no stable equilibria, in which the population will change continually. This diagram shows a stable **limit cycle** (*blue*), which encloses an unstable equilibrium (*red dot*).