



FIGURE 2.36. An example of a catalytic RNA or **ribozyme**: the catalytic center of the *Tetrahymena* group I intron (blue). The substrate RNA (red) is cleaved by the active site at the junction of the two helical domains (red arrow at center). Remarkably, this RNA molecule catalyzes its own cleavage, cutting itself out of the pre-mRNA to produce the processed mRNA, which will be translated.

2.36, modified from Michel F. et al., *J. Mol. Biol.* **216**: 585–610, © 1990 Academic Press Limited