



FIGURE 1.11 Growth of capacity per DRAM chip over time. The y-axis is measured in kibibits (2^{10} bits). The DRAM industry quadrupled capacity almost every three years, a 60% increase per year, for 20 years. In recent years, the rate has slowed down and is somewhat closer to doubling every three years. With the slowing of Moore’s Law and difficulties in reliable manufacturing of smaller DRAM cells given the challenging aspect ratios of their three-dimensional structure.