



FIGURE 4.3. The distribution of calcite seas and aragonite seas for the past 600 million years. During calcite seas, ooids, mud, and marine cements are dominantly calcite with well-preserved microstructure, whereas during aragonite seas, ooids, mud, and marine cements undergo extensive alteration (except for modern examples), which is reckoned to indicate that these grains were dominantly aragonite or high-magnesium calcite when deposited.