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Cover figure: Crystal structure of Ba₈-Si₄₆ Type I clathrate. Only the polyhedra for the front face are shown. Small open and black solid balls represent Si and Ba atoms, respectively. The numbers 1, 2, and 3 in the open balls represent Si1(6c), Si2(16i), and Si3(24k) sites, respectively. The Ba 2a and 6d sites are located at the centers of Si₂₀ dodecahedra (@Si₂₀) and Si₂₄ tetrakaidecahedra (@Si₂₄), respectively.