



**Figure 10.30 Wall Synthesis Patterns.**

Patterns of new cell wall synthesis in growing and dividing bacteria. **(a)** Streptococci and some other gram-positive cocci. **(b)** Synthesis in rod-shaped bacteria (*Escherichia coli*, *Salmonella*, *Bacillus*). The zones of growth are in blue-green. The actual situation is more complex than indicated because cells can begin to divide again before the first division is completed.