

•Tvary bakt. buňky

Koky - sférické, oploštělé, lancetovité

- diplo-, streptokoky, tetrády, sarciny, stafylokoky

Tyčinky – rovné, zakřivené, větvicí se, palisády pleomorfní **Kokobacily**

Pupeny

Prostéky

Spirily

Hvězdice

Mycelia

•Velikost bakt b. v μm

Chlamydia 0,3 x 0,3

Bdellovibrio 0,8 x 0,3

Rickettsia 1 x 0,3

S. aureus 0,8-1 x 0,8-1

E. coli 2-3 x 0,4-0,6

B. subtilis 1,8-4,8 x 0,9-1,1

Streptomyces vlákno x 0,7-1,6

Chromatium 25 x 10

Spirochety 500

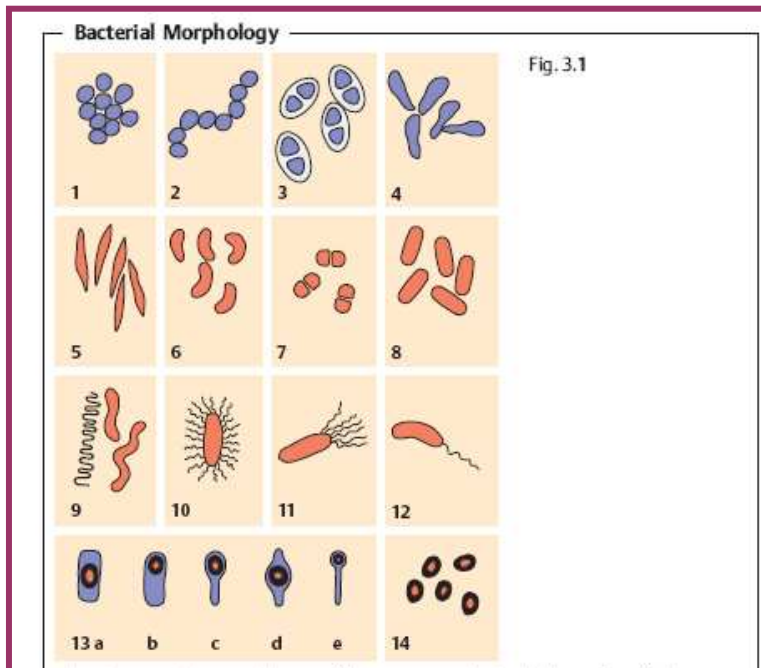
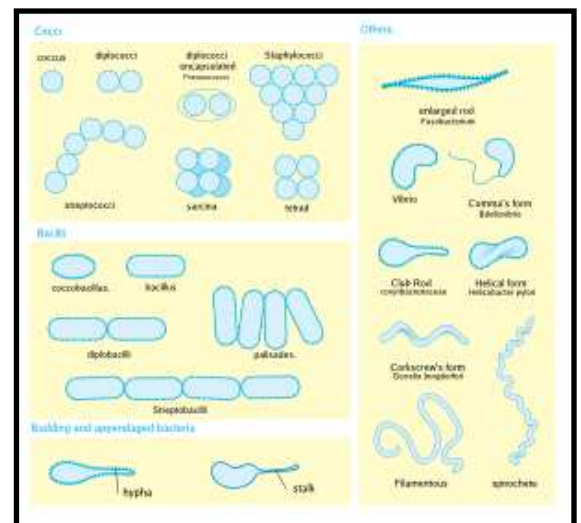


Fig. 3.1



1. Gram-positive cocci in grape-like clusters (staphylococci)
2. Gram-positive cocci in chains (streptococci)
3. Gram-positive cocci with capsules (pneumococci)
4. Gram-positive, club-shaped, pleomorphic rods (corynebacteria)
5. Gram-negative rods with pointed ends (fusobacteria)
6. Gram-negative curved rods (here comma-shaped vibrios)
7. Gram-negative diplococci, adjacent sides flattened (neisseria)
8. Gram-negative straight rods with rounded ends (coli bacteria)
9. Spiral rods (spirilla) and Gram-negative curved rods (*Helicobacter*)

10. Peritrichous flagellation
11. Lophotrichous flagellation
12. Monotrichous flagellation
13. Formation of endospores (sporulation) in cells of the genera *Bacillus* and *Clostridium* (spore stain)
 - a) Central spore, vegetative cell shows no swelling
 - b) Terminal spore, vegetative cell shows no swelling
 - c) Terminal spore ("tennis racket")
 - d) Central spore, vegetative cell shows swelling
 - e) Terminal spore ("drumstick")
14. Free spores (spore stain)