

KEY WORDS AND PHRASES FOR BACTERIAL ENDOSPORES CONCEPT MAP

1. Consists of multiple layers of resistant coats (including a cortex, a spore coat, and sometimes an exosporium) surrounding a nucleoid, some ribosomes, RNA molecules, and enzymes
2. Enable bacteria to resist to high temperatures (including boiling), antibiotics, most disinfectants, low energy radiation, drying, etc.
3. Function as a resistant, dormant survival form of the organism
4. Obligate aerobes that live in soil
5. Obligate anaerobes often found as normal flora of the gastrointestinal tract in animals
6. Tetanus, botulism, gas gangrene, anthrax, pseudomembranous colitis
7. Under conditions of starvation, especially the lack of carbon and nitrogen sources, a single endospores form within some of the bacteria. The process is called sporulation.