1. This electron micrograph shows: ________________.

A. an acid-fast cell wall.
B. a Gram-positive cell wall.
C. a Gram-negative cell wall.
2. This bacterium was stained with the Gram stain procedure. It is _____________.

A. Gram-negative
B. Gram-positive
3. The reason Gram-positive bacteria appear purple after gram staining is that:

A. the alcohol and acetone dehydrates the many layers of peptidoglycan.
B. their cytoplasm has a negative charge.
C. the alcohol and acetone dissolves away their outer membrane.
4. What structure is seen on this slide?

A. A bacillus.
B. A Gram-positive bacterium.
C. A capsule.
D. An endospore.
5. The function(s) of a bacterial capsule (glycocalyx) is to _________________.

A. adhere to surfaces and resist phagocytosis.
B. resist heat and toxic chemicals.
C. resist osmotic lysis.