

RAD 107
Preview Test #3

B. Smith

1. Differentiate between a "cold cathode" tube and a "hot cathode" tube in radiography.

2. Briefly explain the importance of maintaining x-ray tube components under vacuum conditions within the x-ray tube.

3. Define and explain the purpose of the following x-ray tube components:
 - a. glass envelope
 - b. cathode
 - c. filament
 - d. target
 - e. anode
 - f. focusing cup

4. List four reasons tungsten is used in the filament of an x-ray tube.

5. List the voltage and amperage in the filament circuit.