Chemistry 685: Biomedical Research Safety
March 1, 2001

1) Phenol poisoning can occur through which of these routes of exposure?
   A   Inhalation        B   Absorption through skin        C   Both

2) What should be the first action in response to a phenol spill or splash to the skin?
   A     Flush with water
   B     Wash with soap and water
   C     Swab with ethanol
   D     Remove soaked clothing

3) Which of these common ways of using ethidium bromide offer a significant exposure hazard?
   A     Preparing a stock solution
   B     Cutting agarose gel
   C     Handling gel buffer
   D     Using a CsCl gradient

4) Ethidium bromide is known to be highly______________.

5) Which of the following are hazards of acrylimide?
   A     Neurological effects
   B     Carcinogenic potential
   C     Teratogenic
   D     Easily spread on air currents

6) An effective method to limit these acrylamide hazards is ____________________________________.
7) At 100V, what current level is required to deliver a lethal shock?
   A  25mA   B  50mA   C  100mA   D  500mA

8) What is the most effective practice in using protective gloves?
   A  Selecting the best glove type
   B  Changing gloves when contaminated
   C  Double gloves
   D  Washing hands frequently

9) What is the risk of HBV infection for lab workers relative to the general population?
   A  Lower
   B  The same
   C  2 to 7 times greater
   D  More than 7 times greater

10) In one or two sentences, what do you think is the most memorable message of this video?

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