Tutorial 9 questions to solve:

1. Between heavy charged particle and fast electron, which one will cover maximum distance while interacting with the absorber material? Provide explanation supporting your answer
2. During a routine inspection at a nuclear power plant, workers use bubble detectors to monitor neutron radiation levels. What specific actions should they take if they observe an unusually high number of bubbles in the detectors?
3. If you are measuring different types of radiation (alpha, beta, and gamma) using bubble detectors, how would the expected results differ for each type, and what implications does this have for your experimental design?
4. You are tasked with setting up an experiment to measure radiation exposure using photographic emulsion detectors. What steps would you take to prepare the detectors and ensure accurate exposure?