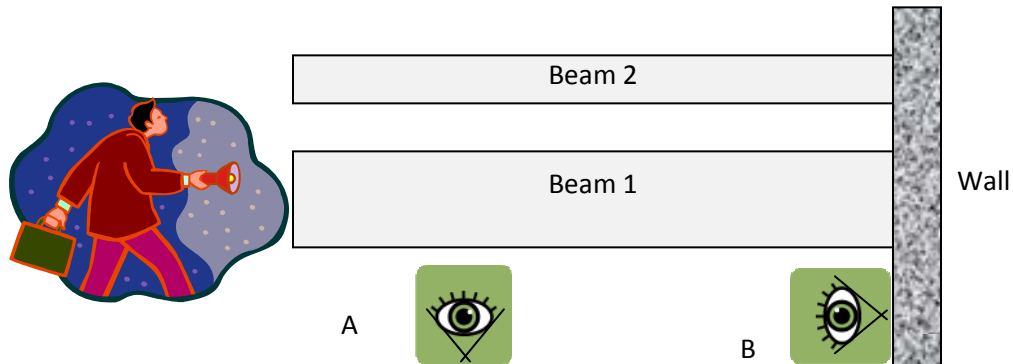


Name: _____

Date: _____

Phys 115 Pre - lab 3

Assume you have a billion photons travelling in a group (beam 1) toward exactly the same direction as shown below.



(a) Can a person standing on the side of the beam (marked as A) see the beam? Why or why not?

(b) Can a person standing off the beam at point B see the beam? Why or why not?

(c) If the same 1 billion photons are now travelling forming a narrower beam 2, do you expect the brightness on the wall to be same as for beam 1? Why or why not?