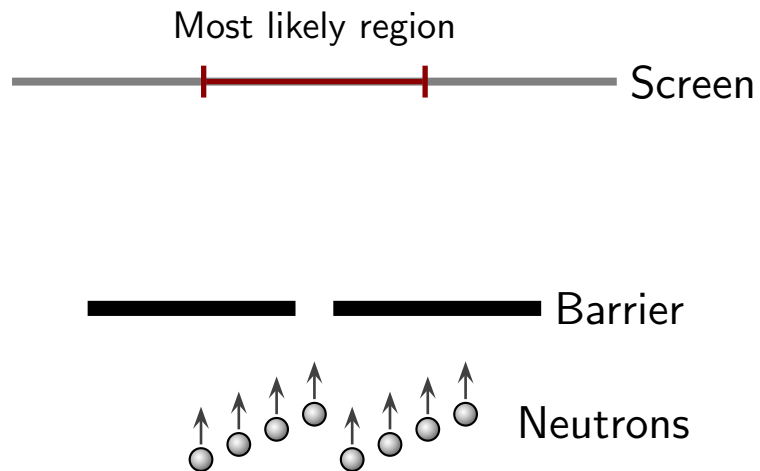


Question 1

Neutrons are fired, one at a time, toward a barrier that contains one opening. They approach the barrier in the illustrated direction. The majority of the neutrons that pass through the opening arrive in the indicated region.



The width of the opening is reduced. What happens to the most likely region?

1. It expands.
2. It shrinks.
3. It stays the same.

Particles Passing Through Single Slits with Different Widths

Probability of arrival of particles at various screen locations.

