Act 2
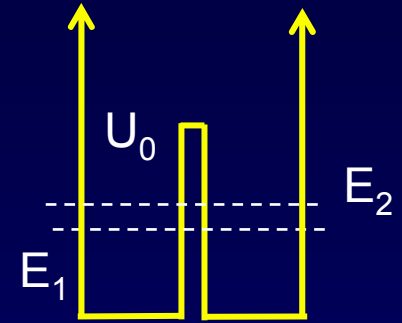
You are trying to make a laser that emits violet light
(λ = 400 nm), based on the transition an electron makes
between the ground and first-excited state of a double
quantum well as shown. Your first sample emitted at
λ = 390 nm.

What could you modify to shift the wavelength to 400 nm?

a. decrease the height of the barrier

b. increase the height of the barrier

c. decrease the width of the barrier