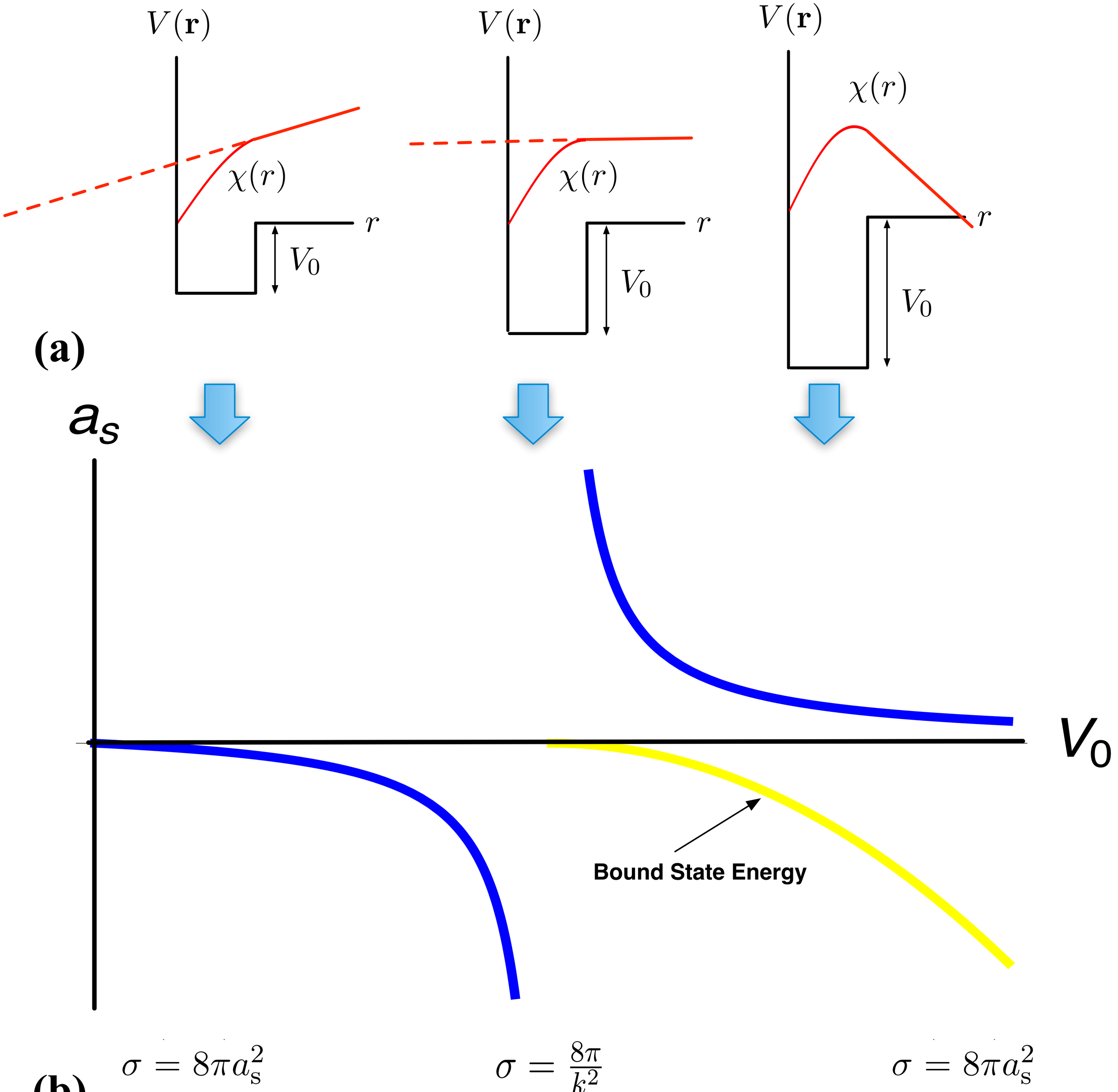
$V(\mathbf{r})$
$\chi(r)$
r
V_0
(a)
a_s
V_0
Bound State Energy
$\sigma = 8\pi a_s^2$
$\sigma = \frac{8\pi}{k^2}$
$\sigma = 8\pi a_s^2$
(b)