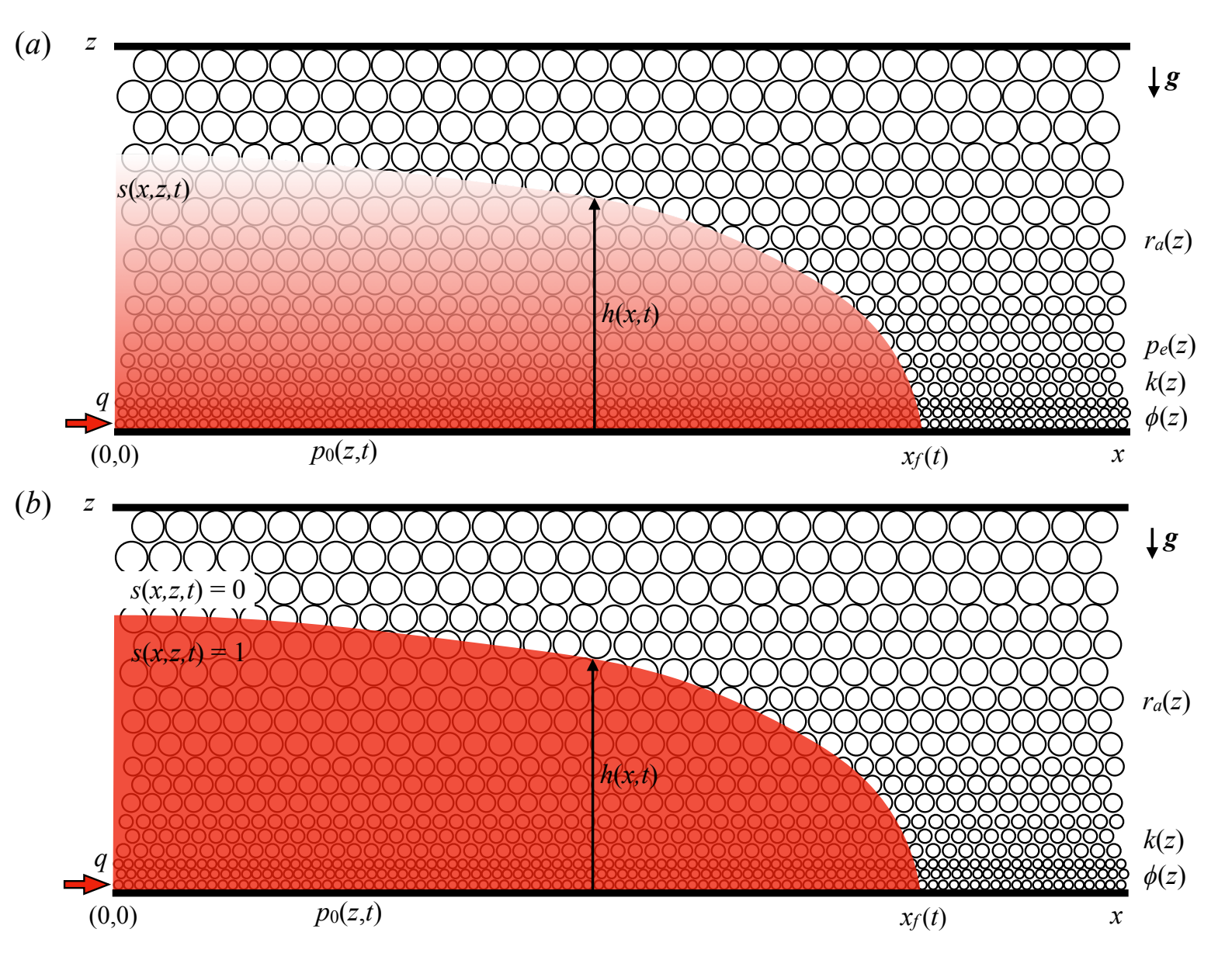
(a)
z
g
s(x,z,t)
h(x,t)
r_a(z)
p_e(z)
k(z)
ϕ(z)
q
(0,0)
p_0(z,t)
x_f(t)
x
(b)
z
g
s(x,z,t) = 0
s(x,z,t) = 1
h(x,t)
r_a(z)
k(z)
ϕ(z)
q
(0,0)
p_0(z,t)
x_f(t)
x