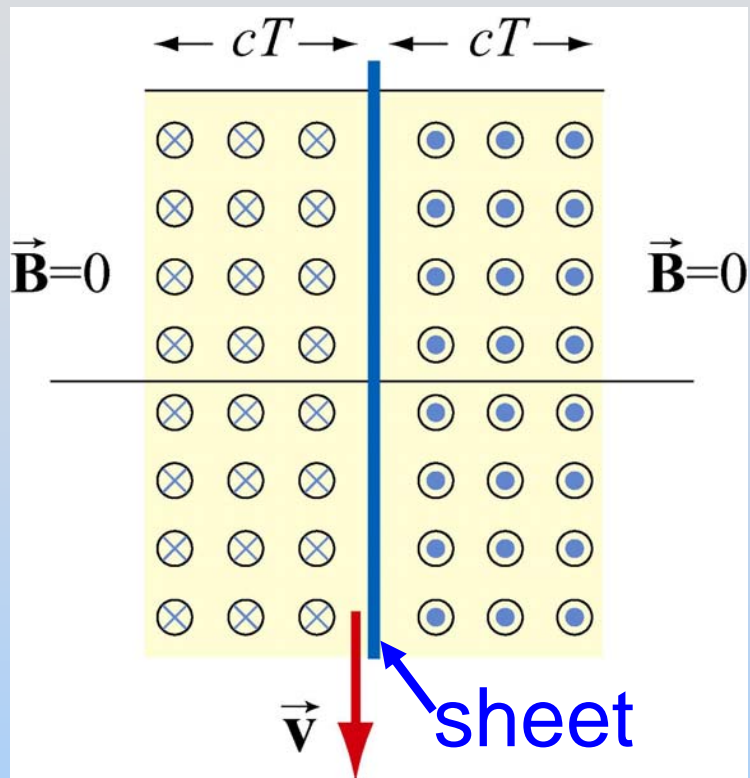# Group Problem: B Field Generation

Sheet (blue) has uniform charge density σ

Starting time *T* ago pulled down at velocity *v*

1) What is B field?

(HINT: Change drawing perspective)

2) If sheet position is $y(t) = y_0 \sin(\omega t)$

What is B(x,t)?

What is E(x,t)? What Direction?