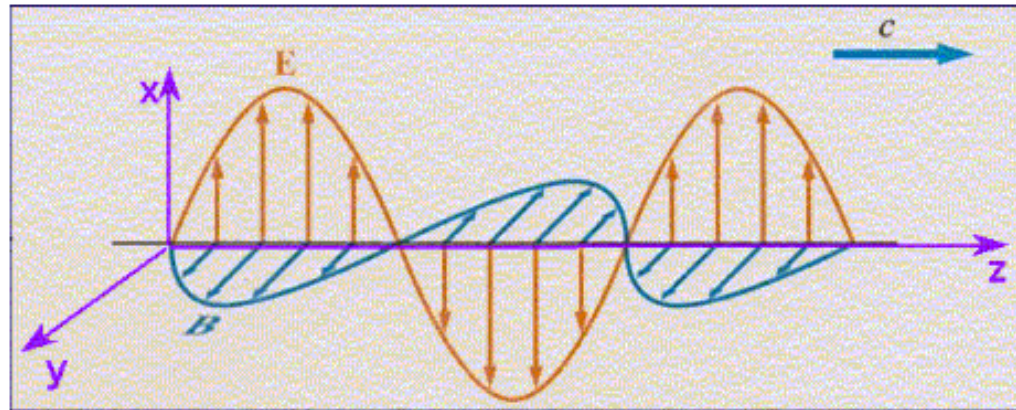


# CheckPoint 1a



Which equation correctly describes this electromagnetic wave?

$E_x = E_0 \sin(kz \oplus \omega t)$  No – moving in the minus  $z$  direction

$E_y = E_0 \sin(kz - \omega t)$  No – has  $E_y$  rather than  $E_x$

$B_y = B_0 \sin(kz - \omega t)$

Electromagnetic Waves: Question 1 (N = 828)

