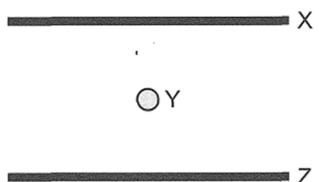


- 24** The diagram shows two charged horizontal metal plates X and Z. The magnitudes of the charges on the plates are equal. Between the plates, suspended stationary in the uniform electric field, is a charged sphere Y.



What could be the signs of the charges on the three components?

	plate X	sphere Y	plate Z
A	negative	positive	negative
B	negative	positive	positive
C	positive	positive	negative
D	positive	negative	positive