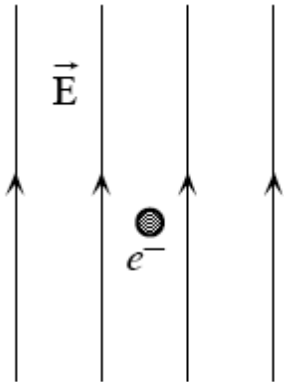


Consider the following statements about the motion of an electron placed at rest in a uniform electric field as shown:

Anna:     *“Since the electron is negative, it will move downward at a constant velocity proportional to the strength of the electric field.”*

Brooke:   *“The electron will accelerate upward because particles move in the direction of the electric field, which points upward.”*

Chico:     *“The electron will move downward because it is a negative particle. The force acting on it will be opposite the direction of the electric field. It will move with a constant acceleration.”*



**Which of these students is correct?**