Chapter 21
Electric Field:
Direction: Direction of force on a positive charge
Magnitude E = F/q

http://www.nhn.ou.edu/~walkup/demonstrations/WebAssignments/ElectricField001.htm

1.A positive test charge of 5.0x10^-6C is in an electric field that exerts a force of 2.0x10^-4N. What is the field's magnitude?

2. A negative charge of 2.0x10^-8C experiences a force of 0.060 N to the right in an electric field. What is the magnitude and direction of the field? (p 565)

Potential Difference = work/charge

$V = w/q$

A Volt = Joule/Coulomb

$E = V/d$

21. How much work is done when 3.0 C is moved through an electrical potential difference of 1.5 Volts?

23. An electron in a television picture tube passes through a potential difference of 18000volts. How much work was done on the electron by the field?