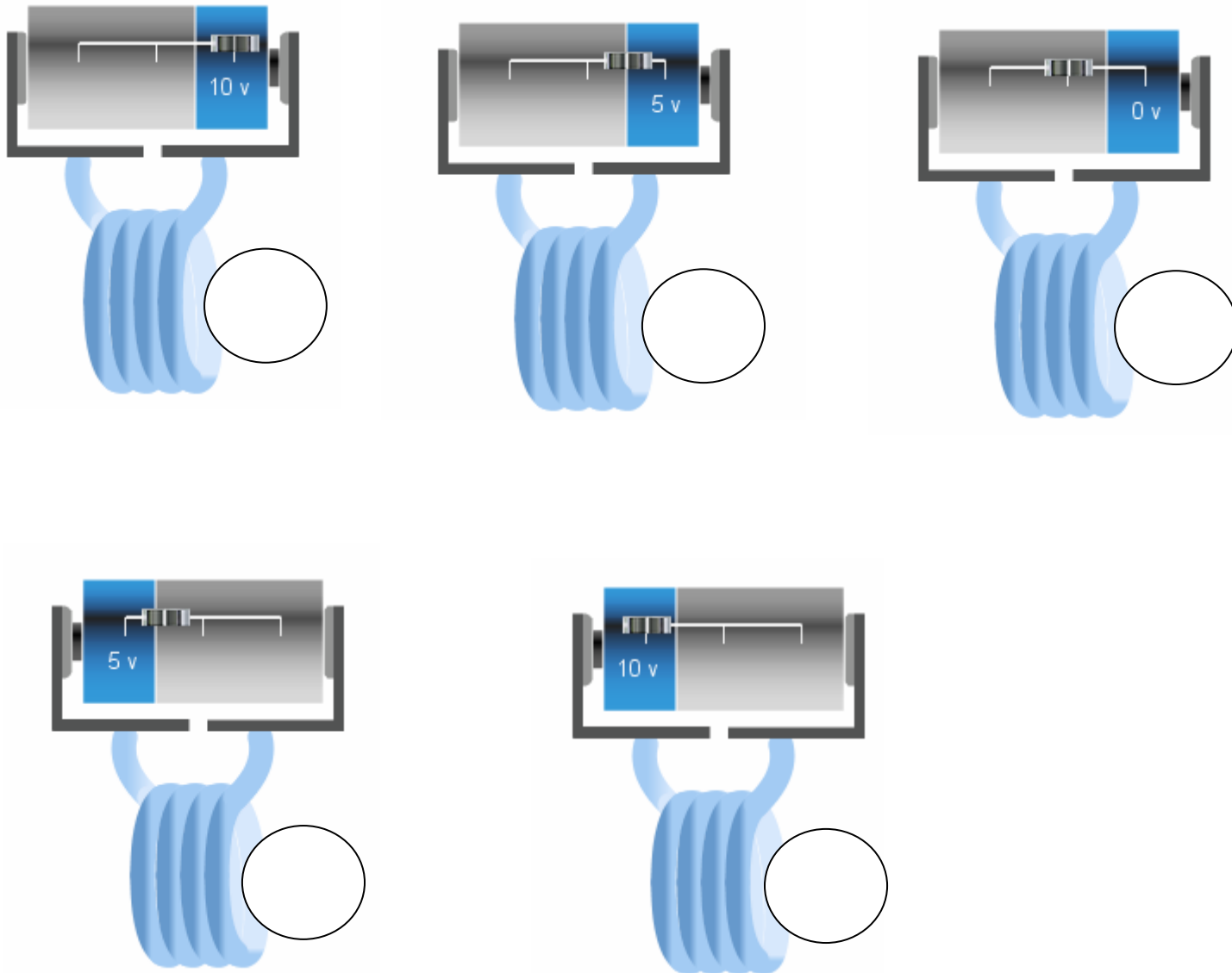


Run the magnets and electromagnets application located on the computer desktop (or at <http://phet.colorado.edu/en/simulation/magnets-and-electromagnets>). Click on the tab at the top labeled electromagnet. Select your current source as DC, 4 loops, and place a check mark only beside “Show Compass” and “Show Field Meter”.

Show the direction of the compass needle and the magnetic field strength at this location



Change the number of loops in your electromagnet and complete the chart below.

Number of Loops	Voltage	Magnetic Field Strength
4	10 V	
3	10 V	
2	10 V	
1	10 V	