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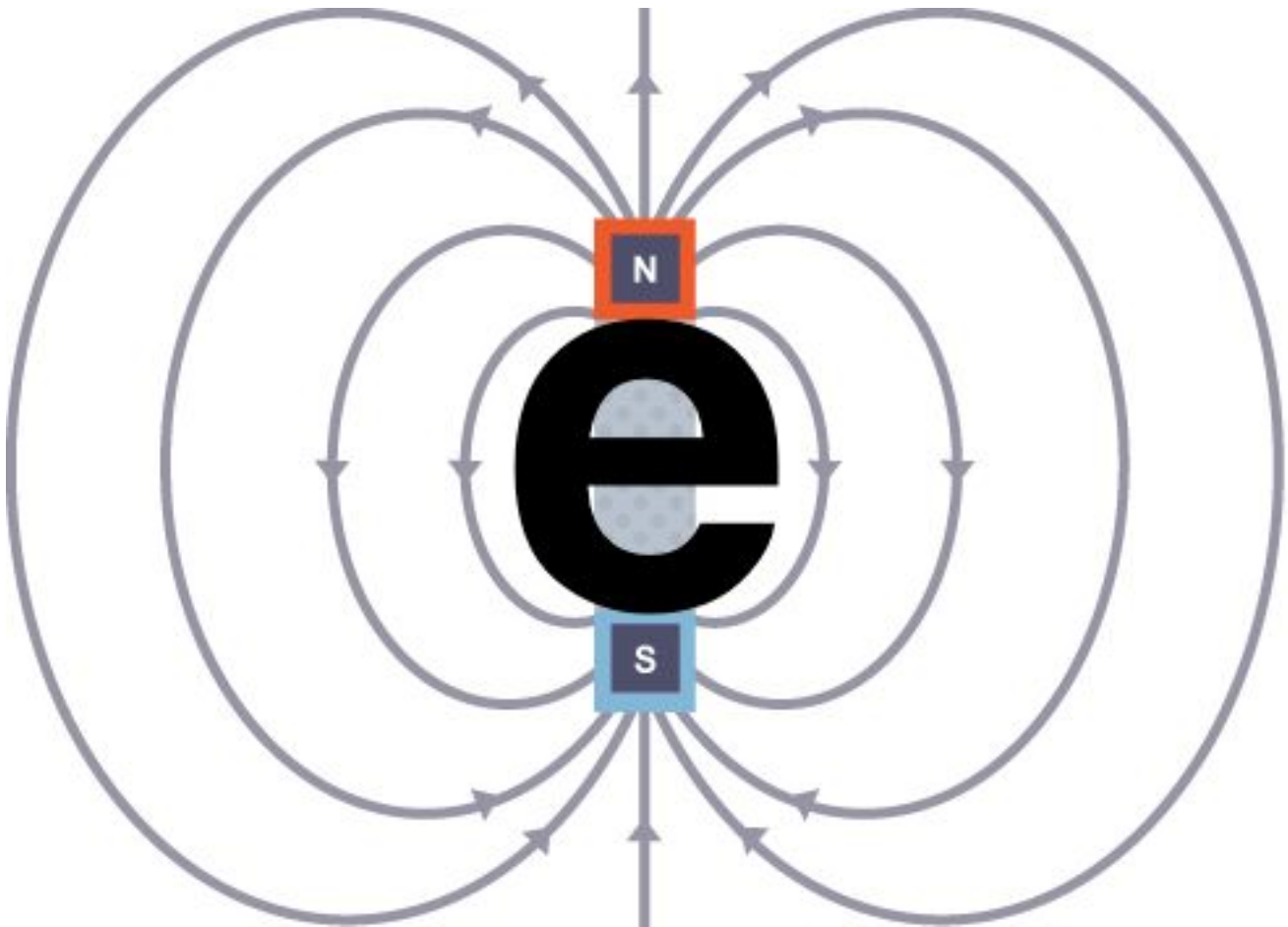
Name: _____

Date: _____

Project/Unit: Electromagnetism

Lesson: The Flow Of Electrons Exercise

Electron with Magnetic Field





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Teacher's Instruction:

1. Print out a class set of the picture above. Select one student to represent the north pole of a magnet field, and another student to represent the south pole of a magnet field. The rest of the students will represent electrons. Have students cut out the imagines and tape them on their clothing.
2. Explain to students that we will be demonstrating what happens in a generator. The north and south pole students will walk around in a circle. Teachers can choose to connect the students with a rope or string (optional) to demonstrate that the two are always at opposite ends. Students who represent electrons will form a line and walk closer to the magnetic field represented by circle of the north and south pole students.
3. Once an electron enters the circle of the magnet field, the electron student must speed up, followed by the next student. The will speed up and move in the same direction.
4. Highlight that the movement of the electrons is what produces electricity. Ask the students representing the magnetic field to reverse direction and ask students who are electrons which direction they should now?