

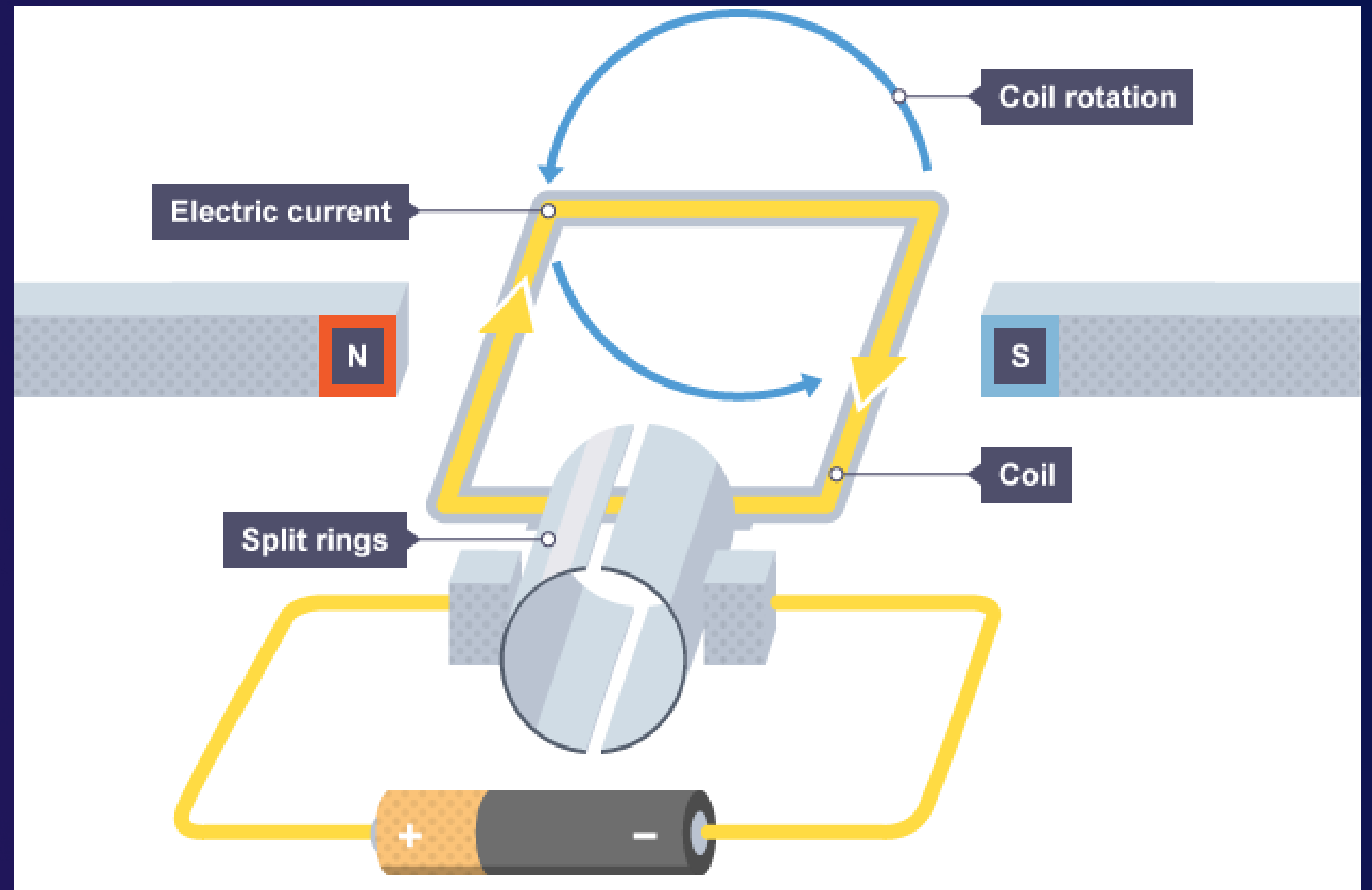
Motors

- How motors work
- Different types of motors
- Applications

WORKING PRINCIPLE OF DC MOTOR

An electric motor is an electrical machine which converts electrical energy into mechanical energy.

The basic working principle of a DC motor is: "whenever a current carrying conductor is placed in a magnetic field, it experiences a mechanical force".



TYPES OF MOTORS

DC Motors

- Brushed
- Brush-less

AC Motors

- Induction
- Synchronous

Other Motors

- Stepper motor
- Servo motor



APPLICATIONS OF MOTORS

- Motors are used in every machine that requires motion.
- Industrial applications
- Commercial and residential applications, such as fans, pumps, compressors, elevators, and refrigerators.
- Motors are the central components in motor vehicles and home appliances.