

## Week 22 - Magnetism

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### Read Page 262 (Magnetic Fields)

TQ1. What causes magnetism?

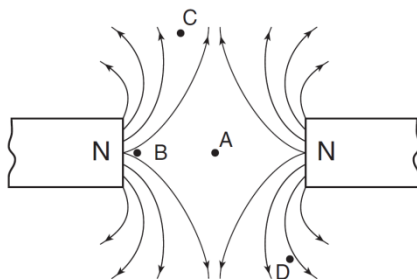
TQ2. What causes a permanent magnet to have a magnetic field?

TQ3. What does “polarized” mean?

CQ4. Do the magnetic field lines move from out of the north and into the south OR out of the south and into the north?

TQ5. What is the symbol for magnetic field strength and what are the units of magnetic field strength?

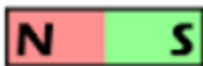
CQ6. Which point in the diagram below is the magnetic field strength the greatest?



CQ7. Two magnets with mass are shown below. Describe the gravitational forces and the magnetic forces as either repulsive or attractive for these two magnets.



CQ8. Draw a minimum of four magnetic field lines to show the magnitude and direction of the magnetic field surrounding the bar magnet below.



CQ9. Two ring magnets are placed on a pencil. Magnet A remains suspended above magnet B, as shown below. Describe the gravitational forces and magnetic forces as either repulsive or attractive between both magnets.

