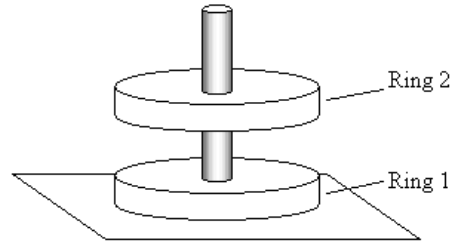


Floating magnets

This task is about magnets.

This is a diagram of a child's toy.

Each ring has a magnet inside, so ring 2 seems to "float" above ring 1.



a) Which of the following diagrams show how the toy could be made.

(Select the answer/s you think are true)

<p>(A)</p> <p><input type="radio"/> Magnet $\begin{matrix} N \\ S \end{matrix}$</p> <p>Magnet $\begin{matrix} S \\ N \end{matrix}$</p>	<p>(B)</p> <p><input type="radio"/> Magnet $\begin{matrix} S \\ N \end{matrix}$</p> <p>Magnet $\begin{matrix} S \\ N \end{matrix}$</p>
<p>(C)</p> <p><input type="radio"/> Iron</p> <p>Magnet $\begin{matrix} N \\ S \end{matrix}$</p>	<p>(D)</p> <p><input type="radio"/> Iron</p> <p>Magnet $\begin{matrix} S \\ N \end{matrix}$</p>
<p>(E)</p> <p><input type="radio"/> Magnet $\begin{matrix} S \\ N \end{matrix}$</p> <p>Magnet $\begin{matrix} N \\ S \end{matrix}$</p>	<p>(F)</p> <p><input type="radio"/> Iron</p> <p>Iron</p>

b) Explain why the top ring "floats" above the bottom ring.