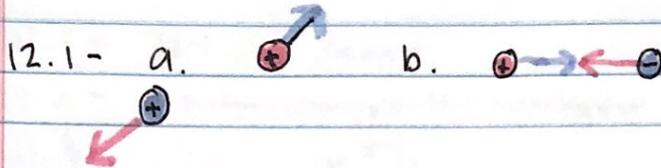


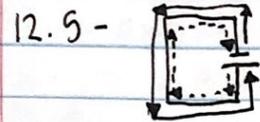
Oyo m12



12.2 - $\frac{1}{2} \times \frac{1}{4} = \frac{1}{8} \cdot 4 = \frac{1}{8} \cdot \frac{4}{1} = \frac{1}{2}$
 $\frac{1}{8} \cdot 16 = \frac{16}{8} = 2$ 2 times stronger

12.3 - from interactions between the electrons + protons in that black object.

12.4 - induction



12.6 - no.

12.7 - They used to be made as series circuits, + now they're made as parallel circuits.

12.8 - No, because they are opposites + will cancel each other out.

12.9 - The number of atoms aligned in each magnet.

12.10 -

