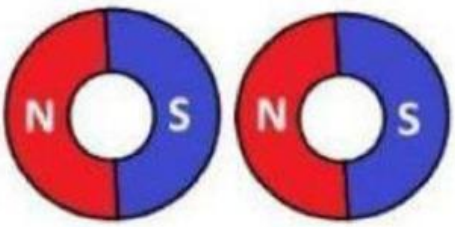
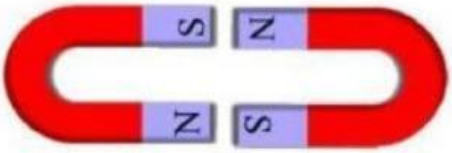
Permanent Magnet and Non-Permanent Magnet

Name: ..... Class: .....

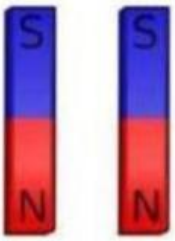
1) Determine if the following magnets will attract or repel each other



Attract or Repel?



Attract or Repel?

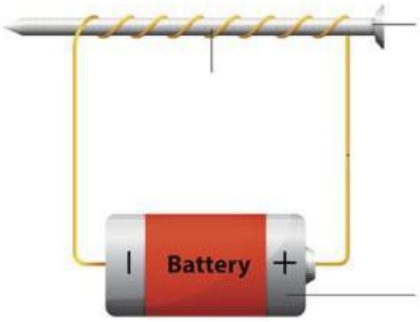


Attract or Repel?



Attract or Repel?

2) Drag and drop the parts of the electromagnet where they belong.



3) Which correct table shows the difference between permanent and non-permanent magnets (electromagnet)?

Table A

Characteristic	Permanent Magnet	Non-Permanent Magnet
Retention of Magnetism	Forever	Loses when the magnetic field is removed
Material Composition	strong magnetic materials like iron, cobalt, neodymium, etc.	Like soft iron with copper wire
Strength	Usually stronger	Usually weaker

Table B

Characteristic	Permanent Magnet	Non-Permanent Magnet
Retention of Magnetism	Loses when the magnetic field is removed	Forever
Material Composition	strong magnetic materials like iron, cobalt, neodymium, etc.	Like soft iron with copper wire
Strength	Usually weaker	Usually stronger

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