Name: _____
Due: _____

MAGNETISM STUDY SHEET

Each of the following questions represents a concept discussed in class. Further information can be found in Chapters 19-20 of the text.

1. State the rule for magnetic attraction and repulsion.

(samzies)
Opposites attracts, likes repel

2. List the 3 categories of magnetism found in various materials:

See note s

3. List the 4 elements that can be made into permanent magnets:

4. How can you make a temporary magnet? How does it differ from a permanent magnet?

Allign Domains. Temporary

5. Can a magnet ever have just one pole? Explain what happens to a magnet cut in two.

No → 

6. Each electron in a piece of iron is like a tiny magnet (domain theory), but the iron as a whole is not a magnet. Explain how this is possible.

Domains cancel eachother out

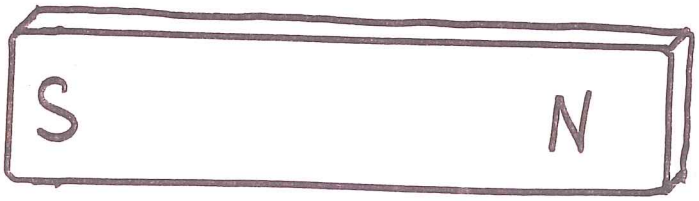
7. What is the Curie Point? Why will heating or dropping a magnet weaken it?

Where a magnet or conductor lose their magnetic properi s. Unaline Domains

8. Explain how a motor/ generator works in terms of electric and magnetic field interaction.

9. What is Lenz's Law? How does it demonstrate conservation of energy?

10. On the back of this sheet, draw the magnetic field (flux) lines for the 4 configurations shown. Be sure to draw the field lines drawing arrows showing direction of the field.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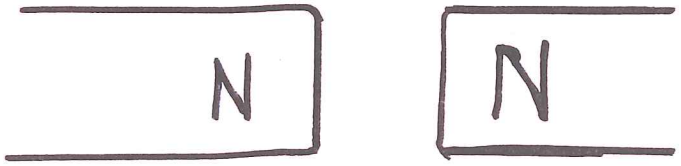
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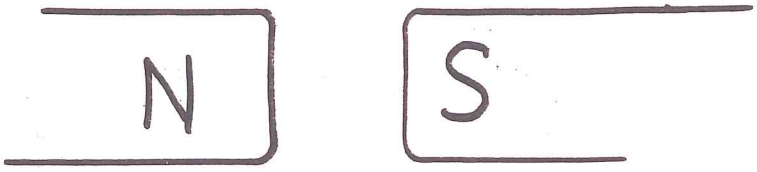
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