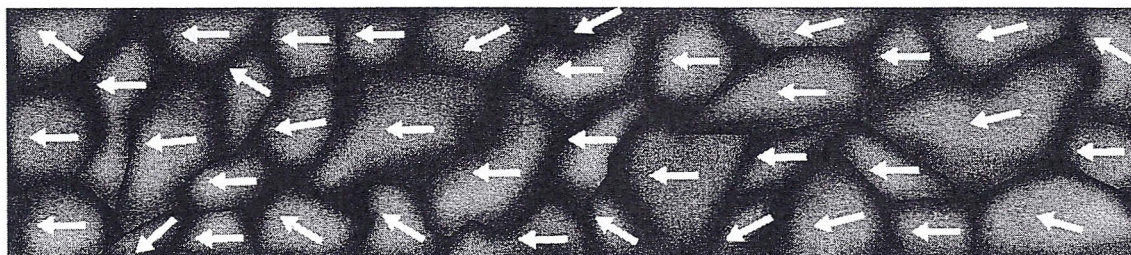


Magnetism ▪ *Review and Reinforce***Inside a Magnet****Understanding Main Ideas**

Use the figure below to answer the following questions on a separate piece of paper.



1. What do the arrows represent in the figure?
2. Is this material magnetized or unmagnetized? How do you know?
3. How might this figure be different if the material shown were hit very hard or heated?

Building Vocabulary

Match each term with its definition by writing the letter of the correct definition in the right column on the line beside the term in the left column.

- | | |
|----------------------------------|---|
| _____ 4. magnetic domain | a. the center region of every atom |
| _____ 5. neutron | b. a magnet made of a material that keeps its magnetism |
| _____ 6. nucleus | c. a material that shows strong magnetic properties |
| _____ 7. permanent magnet | d. one of about 100 basic substances that make up all matter |
| _____ 8. atom | e. a particle that does not carry an electric charge |
| _____ 9. proton | f. a tiny, negatively charged particle that usually exists in the outer region of an atom |
| _____ 10. temporary magnet | g. the smallest particle of an element |
| _____ 11. element | h. a magnet made from a material that easily loses its magnetism |
| _____ 12. ferromagnetic material | i. a positively charged particle found in the nucleus |
| _____ 13. electron | j. a grouping of atoms that have their magnetic fields line up in the same direction |