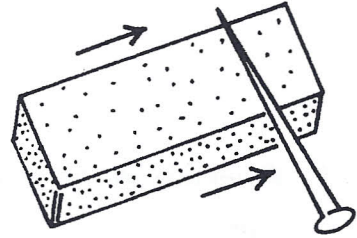




Name \_\_\_\_\_

# Magnetizing Metals

- Stroke the pin across the magnet 50 times in one direction. Hold the magnetized pin in the paper clips. Count how many paperclips the pin picked up.



- What do you think will happen if you stroke the magnet more than 50 times?

- Stroke a pin 75 times across a magnet. How many clips did you get this time?

- Do you think you can magnetize other materials? Make a list of materials you would like to try. Predict what will happen and try to magnetize the items. Record your observations.

Item	Prediction	How many clips did it pick up?
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

- Do you think it makes a difference if you stroke the pin toward the north or south pole of the magnet? \_\_\_\_\_

What steps do you need to go through to test your hypothesis? \_\_\_\_\_

Try your hypothesis.