Magnets: which materials are magnetic?

Grades 3 to 5 · Years 4 to 6 · page 1

Name _____ Date _____

Object	Made of (guess)	Prediction	Result	Metal?
paper clip				
coin				
key				
metal spoon				
pencil				
eraser				
sock				
food tin				

Conclusion: is every metal magnetic? Use two results as evidence.

Prediction and result: write M for magnetic or N for not magnetic.

How strong is our magnet?

Grades 3 to 5 · Years 4 to 6 · page 2: a fair test

Hang paper clips in a chain from the magnet. Put sheets of paper between them. How many clips hold on?

Sheets of paper	Try 1	Try 2	Try 3	Typical
0				
2				
4				
6				
8				
10				



Poles: push two bar magnets together. Tick what happens.

Ends together	Pull together (attract)	Push apart (repel)
north + north	☐	☐
north + south	☐	☐
south + south	☐	☐

Keep the same magnet, the same clips and the same paper. Change only the number of sheets.