

e	Electromagnets often stay magnetic for a while after the current has been turned off.	
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- 5 Some pupils performed an experiment where they tried to pick up 5 g of metal samples. Look at the data below and then answer the questions that follow. Where the electromagnet would not pick up the sample the pupils wrote 'No'

Metal	Copper	Aluminium	Steel	Gold	Silver	Iron	Brass	Nickel
Current	No	No	0.20 A	No	No	0.22 A	No	0.3 A

- a Which metals can be picked up with an electromagnet? _____, _____, _____
- b Which metals could the electromagnet pick up if a current of 0.25 A was flowing? _____
- c Another steel sample was tested with the electromagnet, and it needed 0.45 A for the electromagnet to pick it up. Why do you think it needed this much current? _____.
- d Estimate the current needed to pick up 2 g of nickel. _____
- 6 Fill in the crossword.

