

Electromagnet Engineering

7. What did you modify in building your electromagnet (number of coils or size of battery)?

8. Fill in the table below with how many paper clips your electromagnet was able to pick up.

Electromagnet	How Many Paperclips Did It Pick Up?
With 10-12 coils	
With fewer coils How many coils? _____	
With more coils How many coils? _____	
With a different battery #1 What size battery? _____	
With a different battery #2 What size battery? _____	

9. Write a sentence about how changing the number of coils or battery size affects how many paper clips the electromagnet could pick up.

10. What are some ways that engineers might be able to use electromagnets?