

## Exploring Circuits

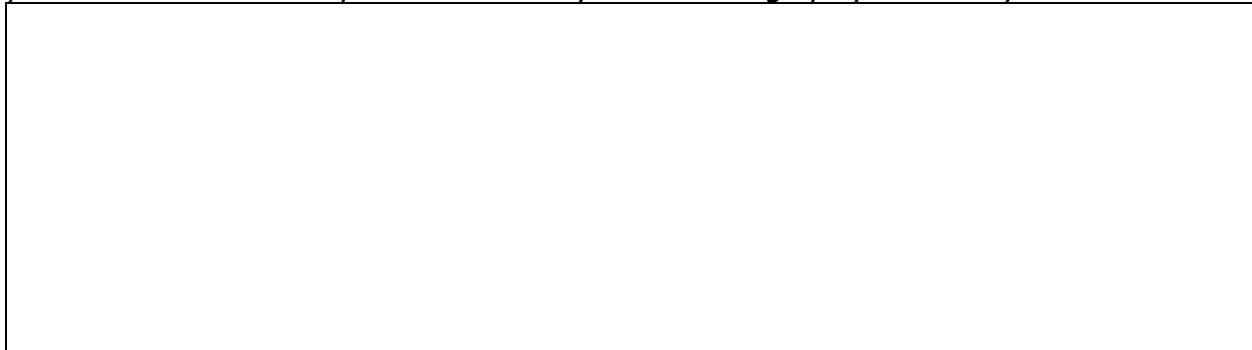
### Part 1

Assume current is flowing through the circuit and the LEDs are on. On the parallel circuit, if you were to remove a section of copper tape between the two LEDs (as shown), what do you think would happen to the LEDs? Explain your reasoning.



### Part 2

What is the difference between a parallel and series circuit? In the future, which would you rather use for multiple LEDs and why? Does voltage play a role in your decision?



### Part 3

If you wanted to program the eyes of the cat to blink together and the nose to always be on, draw a circuit diagram that could align with your intention.

