

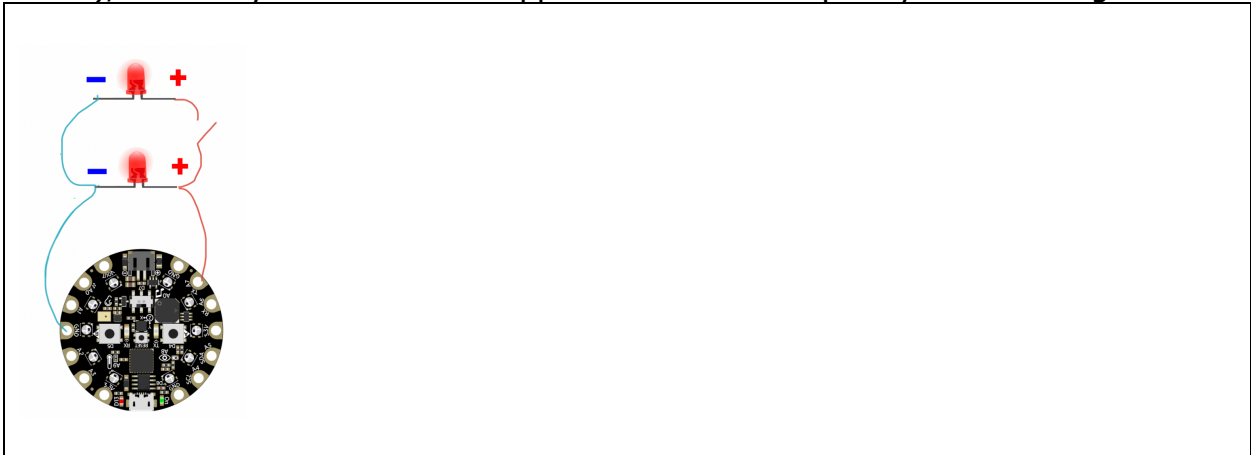
## Exploring Circuits

### Part 1

Explain why both LEDs will turn on and off together when in parallel.

### Part 2

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 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.

