

# DON'T CROSS THE WIRES

A short circuit happens when two wires in an electric circuit accidentally cross. It can cause a spark or even a fire. Electrical engineers prevent short circuits from happening by wrapping wires in non-conductive insulation that keeps the wires protected even if they accidentally touch.

Practice your circuit skills by connecting the dots that are the same color. Make sure the different connections don't overlap or touch! **Hint:** use different colored pencils to draw your connections.

