



# EXPERIENCE: COLORBLINDNESS ACTIVITY

## OPENING QUESTIONS

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Fill in the blanks as Qbee describes how we see color. Restart if needed.

- The color we see is based off of incoming wavelengths of photons.
- Eyes use three different types of cones to see color:
  - One for short wavelengths
  - One for medium wavelengths
  - One for long wavelengths
- Color blindness occurs when one cone is either too close to another or completely missing.



# ONTO THE GARDEN

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Write down a description of each type of colorblindness as Qbee explains them.

Deuteranomaly	Trouble seeing reds. Red looks more like green.
Protanomaly	Trouble seeing green. Green looks more like red.
Tritanomaly	Trouble seeing yellow and/or green. They look like pink and a light blue.
Monochromacy (Chronomaly)	You can't see color at all. The brighter the sunlight, the more difficult it becomes.

