Name: 

**MISSION 12 LOG**

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| **Pre-Mission Preparation** | |
| CodeX has a built-in light sensor. What real-world projects can it be used for? |  |
| **Mission Objective #1** (Use the Toolbox to answer this question.) | |
| The light sensor is a \_\_a\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_.  It can measure both \_\_b\_\_ and \_\_c\_\_ wavelengths. The light sensor converts light intensity to a \_\_d\_\_ \_\_\_\_ \_\_\_\_. |  |
| **Mission Objective #2** | |
| Change the light shining on the sensor. Write down your observations: | |  |  | | --- | --- | | Amount of light | Value from reading the sensor | | Room light |  | | Bright light (flashlight) |  | | Dark light (covered) |  | |
| **Post-Mission Reflection** | |
| What real-world applications use light sensors? |  |
| You have now completed 10 coding missions and several remix projects.  Reflect on your experience learning to program. | |
| What have been the challenges in learning to program? |  |
| What have been the rewards in learning to program? |  |