**Robot Soccer Challenge Worksheet Answer Key**

1. **In the chart below, fill in which message the controller NXT sends when each button is pushed when the Robot Soccer program is running.**

|  |  |
| --- | --- |
| **When this button is pressed on the controller…** | **the controller sends this message via Bluetooth** |
| **orange** | **“1”** |
| **left** | **“2”** |
| **right** | **“3”** |
| **none** | **“0”** |

1. **Complete the following message by filling in which action the receiver NXT performs when it receives each message.**

|  |  |
| --- | --- |
| **When the receiver receives this message via Bluetooth…** | **the receiver performs this action** |
| **“3”** | **turn right** |
| **“2”** | **turn left** |
| **“1”** | **move forward** |
| **“0”** | **do nothing** |