**What Is Bluetooth? Worksheet Answer Key**

**Part 1**

1. **What is an electrical connection?**

**An electrical connection is the link or bond that passes electricity between two or more things.**

1. **Give two examples of electrical connections.**

***Example answers*: The link between a remote control garage door opener and a garage door. The link between a Wii remote and a Wii.**

1. **What is the difference between wired and wireless connections?
What is an advantage of using wireless connections?**

**In a wireless connection, electricity is not passed through a physical wire, but instead travels through the air (or another medium) as waves. A wireless connection has the benefit that the communicating devices do not have to be physically connected, allowing for greater freedom and movement.**

1. **What is the name of the wireless electrical connection that the EV3 can make?**

**Bluetooth**

**Part 2**

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**Here are some examples**:

(Note: a slash / is used between words)

“**Hello**” in Morse code is:

.... . .-.. .-.. ---

“**How are you?**” is:

.... --- .-- / .- .-. . / -.-- --- ..-

**Write the** **Morse code for the following**:

1. “**This is fun**”

**- .... .. … / .. … / ..-. ..- -.**

1. “**Thank you**”

**- …. .- -. -.-/ -.-- --- ..-**

1. “**I love you**”

**.. / .-.. --- …- . / -.-- --- ..-**

1. “**Move on**”

**-- --- …- . / --- -.**

*Source of Morse code chart*: <http://en.wikipedia.org/wiki/Morse_code>