

LoRa Week 2 - Web Search

There is a collection of multiple choice and short answer questions. Answer every question before submitting form, make sure to save your answers elsewhere if you plan to come back later. (Hint: Wikipedia is a great place to start your web search, but not every answer will be there. <https://en.wikipedia.org/wiki/LoRa> Another great source: <https://medium.com/coinmonks/lpwan-lora-lorawan-and-the-internet-of-things-aed7d5975d5d>)

* Required

1. All data sent using LoRa end nodes is actually sent using radio waves. Each country regulates what radio frequency certain devices can use. In the United States, what radio frequency is LoRa able to use for communication? *

Mark only one oval.

- ☐ 868 MHz
- ☐ 923 MHz
- ☐ 915 MHz
- ☐ 433 MHz

2. We have talked a lot about bandwidth vs. range when it comes to LoRa and WiFi. What is the difference between LoRa's range and WiFi's range? In other words, briefly explain how far LoRa can transmit vs WiFi. *

3. Today, encryption is required to keep data safe. After spending time to search what encryption is, can you give a simple definition in your own words? *

4. Is LoRa data secured using encryption? If so, what type of encryption? *

Mark only one oval.

- ☐ DES
- ☐ AES
- ☐ RSA
- ☐ LoRa doesn't use encryption

5. This question is to test knowledge of Monday's lesson. There are three basic parts needed to make a functional LoRa End Node. What are they? *

Check all that apply.

- ☐ Temperature Sensor
- ☐ Camera and Microphone
- ☐ Microprocessor
- ☐ Radio Module
- ☐ WiFi
- ☐ Antenna

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