1. In your own words, what is DNS and how does it work?
2. How does DNS help you connect to a web server like Amazon?
3. Include a screenshot of your message log in the DNS Simulation app in Activity 1.
4. **(POGIL)** Discuss why and how a list variable would be a better choice for storing the recipient’s multiple messages in the DNS simulation app.
5. **(POGIL)** Include the pseudocode algorithms you developed for the sender and receiver to handle multiple messages to a recipient.
6. Now that you have a better understanding of how data is sent through the internet, how might you rethink data privacy and security of apps?

**Portfolio Reflection Questions**

**Make a copy** of this document in your Portfolio Assignments folder and answer these questions in the spaces below. Once complete, turn in this assignment according to the steps given by your teacher.

[6.4 IP Addresses and Domain Names Curriculum Page](https://runestone.academy/runestone/books/published/mobilecsp/Unit6-Communication-Through-Internet/IP-Addresses-and-Domain-Names.html)

Answer the following questions:

1. In your own words, what is DNS and how does it work?

**Answer**

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| --- |

2. How does DNS help you connect to a web server like Amazon?

**Answer**

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| --- |

3. Include a screenshot of your message log in the DNS Simulation app in Activity 1.

**Answer**

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4. **(POGIL)** Discuss why and how a list variable would be a better choice for storing the recipient’s multiple messages in the DNS simulation app.

**Answer**

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5. **(POGIL)** Include the pseudocode algorithms you developed for the sender and receiver to handle multiple messages to a recipient.

**Answer**

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6. Now that you have a better understanding of how data is sent through the internet, how might you rethink data privacy and security of apps?

**Answer**

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| --- |