

# Congratulations! You passed!

TO PASS 80% or higher

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100%

## The Physical Layer

TOTAL POINTS 2

1. What is the type of modulation used by twisted pair cable computer networks known as? **1 / 1 point**

- ☐ Line crimping
- ☐ Simplex communication
- ☒ Line coding
- ☐ RJ45



**Correct**

You nailed it! Line coding is the modulation of an electrical charge so that each side of a connection knows what is a one and what is a zero.

2. What's the difference between full and half duplex? **1 / 1 point**

- ☐ Full duplex is slower than half duplex.
- ☒ Full duplex allows communications in two directions at the same time; half duplex means that only one side can communicate at a time.
- ☐ Full duplex is a form of simplex communications.
- ☐ Half duplex occurs when hubs are in use; full duplex occurs when switches are in use.



**Correct**

Nice job! A half duplex connection allows communication in both directions, but only one side can communicate at a time.