

Homework: Fiber Optic Tools & Installation

1. Write what each tool is used for:

- Fusion Splicer:
 - Mechanical Splicer:
 - OPM (Optical Power Meter):
 - OTDR (Optical Time-Domain Reflectometer):
 - Visual Fault Locator (VFL):
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2. Which tool would you use to:

- Find a broken fiber underground?
 - Check if a fiber is carrying a signal?
 - Connect two fibers with low signal loss?
 - Clean a dirty fiber connector?
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3. Fill in the table:

	Underground	Aerial
Best used in:		
One advantage:		
One disadvantage:		

4. You are connecting two buildings with fiber. The cable goes under a road and across a field.

- Which installation method would you use?
- Name 3 tools you would need.
- What is one safety rule you must follow?

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5. a) Why should you wear safety glasses when working with fiber?
b) What does a Visual Fault Locator (VFL) do?
c) Why must you clean fiber connectors before use?