

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):

2. Which tool would you use to:

- a) Find a broken fiber underground?
- b) Check if a fiber is carrying a signal?
- c) Connect two fibers with low signal loss?
- d) Clean a dirty fiber connector?

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.

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

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?