

## Fiber Optic Quiz

Name: \_\_\_\_\_ Date: \_\_\_\_\_

- How far apart would we place repeaters in a fiber optic network?
  - 50 kilometers
  - 2 to 3 kilometers
  - 20 to 30 kilometers
  - 10 to 20 kilometers
- What does not affect fiber optic cables but will impede with copper-based cables?  
\_\_\_\_\_
- In many locations, fiber optic cables are use as the \_\_\_\_\_ of the network, because of their speed.
  - Spine
  - Backbone
  - Router
  - Plenum
- Match the following optical cable speeds.

a.	<input type="text"/>	OC 768	1	2.4 Gbps
b.	<input type="text"/>	OC 48	2	10 Gbps
c.	<input type="text"/>	OC 192	3	40 Gbps
- How long can we make an Ethernet network using category 6 cables with multiple repeaters?
  - 100m
  - 200m
  - 300m
  - 500m
- To communicate between a computer using a 1 Gbps NIC with category 6 cable and the fiber optic ring, we use a \_\_\_\_\_.
  - Receiver
  - Transmitter
  - Transceiver
  - Backbone
- What material is used to protect a fiber optic cable from moisture?
  - Kevlar
  - Light tube
  - Teflon
  - 125 micron cladding
- What material is used to protect a fiber optic cable from penetration such as animal bites?
  - Kevlar
  - Light tube
  - Teflon
  - 125 micron cladding
- Fiber optic strands are made from what material?
  - Glass
  - Kevlar
  - Teflon
  - PVC
- When placing connectors on the end of a fiber optic cable, a crew will \_\_\_\_\_.
  - Use a torch to make the fibers on site to make the assembly precise
  - Use a transceiver to mold the fiber to the category 56 cable
  - Use a clean room mounted on the back of their vehicle to make the assembly precise
  - Use a RJ7 crimper when working in the trench to make the assembly precise