

Fiber Optic Quiz

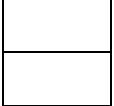
Name: _____ Date: _____

1. How far apart would we place repeaters in a fiber optic network?
 - a. 50 kilometers
 - b. 2 to 3 kilometers
 - c. 20 to 30 kilometers
 - d. 10 to 20 kilometers

2. What does not affect fiber optic cables but will impede with copper-based cables?

3. In many locations, fiber optic cables are used as the _____ of the network, because of their speed.
a. Spine b. Backbone c. Router d. Plenum

4. Match the following optical cable speeds.

a.		OC 768	1 2.4 Gbps
b.		OC 48	2 10 Gbps
c.		OC 192	3 40 Gbps

5. How long can we make an Ethernet network using category 6 cables with multiple repeaters?
a. 100m b. 200m c. 300m d. 500m

6. To communicate between a computer using a 1 Gbps NIC with category 6 cable and the fiber optic ring, we use a _____.
a. Receiver b. Transmitter c. Transceiver d. Backbone

7. What material is used to protect a fiber optic cable from moisture?
a. Kevlar b. Light tube c. Teflon d. 125 micron cladding

8. What material is used to protect a fiber optic cable from penetration such as animal bites?
a. Kevlar b. Light tube c. Teflon d. 125 micron cladding

9. Fiber optic strands are made from what material?
a. Glass b. Kevlar c. Teflon d. PVC

10. When placing connectors on the end of a fiber optic cable, a crew will _____.
 - a. Use a torch to make the fibers on site to make the assembly precise
 - b. Use a transceiver to mold the fiber to the category 56 cable
 - c. Use a clean room mounted on the back of their vehicle to make the assembly precise
 - d. Use a RJ7 crimper when working in the trench to make the assembly precise