Quiz: OSI Model

1. What is the purpose of the Physical Layer in the OSI model?

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2. Which layer in the OSI model manages the addressing and routing of data packets across multiple networks?

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3. What is the role of the Transport Layer in the OSI model?

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4. Which layer in the OSI model establishes, manages, and terminates connections between applications?

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5. Name one contemporary networking protocol that operates at the Application Layer of the OSI model.

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**Instructions**: Match the descriptions of networking protocols to the appropriate layer of the OSI model.

| **OSI Layer** |  | **Networking Protocol** |
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| Physical Layer |  | HTTP (Hypertext Transfer Protocol) |
| Data Link Layer |  | JPEG (Joint Photographic Experts Group) |
| Network Layer |  | SSL (Secure Sockets Layer) |
| Transport Layer |  | IP (Internet Protocol) |
| Session Layer |  | TCP (Transmission Control Protocol) |
| Presentation Layer |  | MAC (Media Access Control) |
| Application Layer |  | Ethernet |

**Instructions**: Choose one layer of the OSI model and research a contemporary networking protocol that operates at that layer. Prepare a brief presentation summarizing your findings.

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