Draw the seven layers of the OSI model. Map the seven layers with the terms, protocol, software programs, application programs, and system network architecture.

Illustrate communication between the host and terminal using the seven-layer OSI model. That is, draw the complete OSI model, label all the layers. On the left side (host end), map (show) the piece of hardware that usually performs the functions of each layer from the host end. On the right side show the protocol, software programs, application programs and system network architecture.

Define communications protocol.

Name and define the three key elements of a protocol.

Name and explain the "four" important characteristics of a protocol.

Not all protocols have all functions; nevertheless, there are many instances of the same type of function being present in protocols at different levels. Name and explain/discuss the ten categories of protocol functions that form the basis of all protocols.

Define and explain the fragmentation and reassembly protocol function.

Define and explain the encapsulation protocol function.

Define and explain the connection control protocol function.

Define and explain the flow control protocol function.

Define and explain the error control protocol function.

Define and explain the synchronization protocol function.

Define and explain the sequencing protocol function.

Define and explain the addressing protocol function.

Define and explain the transmission services protocol function.

List the major disadvantages with the layered approach to protocols.

What were the motivations for creating the OSI model?
what does the term "open" mean in reference to the OSI model?

Create a full OSI model and label all the layers.

What are the OSI layers and what are their functions. Explain their functions in detail. Give examples of standards for each layer.