In your own words, write a short paragraph describing the differences between the TCP and IP protocols. Then, in your own words, describe the different roles between the TCP and IP protocols in Internet communication.

TCP PROTOCOL - The TCP protocol (Transmission Control Protocol) is a protocol that is used in the transport layer. It mainly puts the data in segments that will be sent from the receiver to the sender. The TCP layer takes care of ensuring that there is a reliable channel for the application layer. The service it provides is connection based. TCP protocols communicate with process-to-process in application.

- Process-to-Process communication
- Reliable communication
- Process naming

IP PROTOCOL - The IP protocol (Internet Protocol) is a protocol that is used in the network layer, the final layer of the OSI model. It attaches between the sender and the receiver, who are identified by an IP address, and obviously connected to the internet. There are currently two implementations of this layer - IPv4 and IPv6, although the vast majority of the internet still uses IPv4. IPv4 is 32bit memory. IPv4 uses one address format, and IPV6 uses a different one. IP protocols is an unreliable communication and host naming.

- Host-to-Host Connection
- Unreliable communication
- Host naming scheme