Questions:

- List the intermediary device categories.
  Wireless Router, LAN Switches, Firewall Appliance, Multilayer Switches.

- Without entering into the Internet cloud or Intranet cloud, how many icons in the topology represent endpoint devices (only one connection leading to them)?
  15

- Without counting the two clouds, how many icons in the topology represent intermediary devices (multiple connections leading to them)?
  11

- How many end devices are not desktop computers?
  8

- How many different types of media connections are used in this network topology?
  4

- In Packet Tracer, only the Server-PT device can act as a server. Desktop or Laptop PCs cannot act as a server. Based on your studies so far, explain the client-server model.
  There is a peer-to-peer network where the host can act as a client and a server, or both at the same time.

- List at least two functions of intermediary devices.
  1- Notify other devices of errors and communication failures.
  2- Permit or deny the flow of data based on security settings.
  3- retransmit data signals.

- List at least two criteria for choosing a network media type.
  1- The cost of the media and installation
  2- The environment in which the media is to be installed.

- Explain the difference between a LAN and a WAN. Give examples of each.
  LAN: provide access to end users in a small geographical area.
  Examples: school, campus, and small office.
  WAN: provide access to users in a wide geographical area.
  Examples: internet.

- In the Packet Tracer network, how many WANs do you see?
  2

- How many LANs do you see?
  3

- The Internet in this Packet Tracer network is overly simplified and does not represent the structure and form of the real Internet. Briefly describe the Internet.
  The internet is "network of networks".

- What are some of the common ways a home user connects to the Internet?
  1- Digital subscriber Line DSL.
  2- Cable.
  3- Cellular.
  4- Satellite.

- What are some common methods that businesses use to connect to the Internet in your area?
  1- Dedicated leased line
  2- Metro ethernet
  3- Business DSL
  4- Satellite.