

The graph illustrates a vast network of digital resources, primarily centered around open-source software, encyclopedias, and general information websites. Key clusters include:

- Encyclopedias:** A large cluster of nodes for various encyclopedias such as Wikipedia (Main Page, Local, etc.), Encyclopædia Britannica, and others.
- Open-Source Software:** Nodes for projects like GNU Project, Linux, and various open-source licenses (GPL, etc.).
- General Information:** Nodes for websites like Wikipedia, Encyclopedia, and various online dictionaries.
- Search Engines:** Nodes for search engines like Google, Bing, and others.
- News and Media:** Nodes for news websites like USA Today, Washington Post, and others.
- Education and Research:** Nodes for educational resources like Khan Academy, Coursera, and others.

The graph is highly interconnected, with many nodes having multiple incoming and outgoing links, indicating a rich and complex digital landscape.

### A. A Local Area Network

### C. A Virtual Private Network

**2. In the WWW the most common language used to create WEB pages is \_\_\_\_\_ and the protocol used to transfer them is \_\_\_\_\_.**

## B. SMTP ... HTTP

#### D. HTML ... FTP

**3. When transferring a webpage using the standard WWW transfer protocol, HTTP:**

- A. You can either download one object at a time from a UDP connection or bundle requests in a TCP connection.
- B. You can only establish one TCP connection and download a single object through it.
- C. You can only download one object at a time for each UDP connection established.
- D. You can either transfer a single object for each TCP connection or establish a TCP connection to download one object at a time and bundle requests.

**4. There are \_\_\_\_ types of HTTP messages, which are \_\_\_\_\_:**

- A. two ... request and response
- B. three ... GET, POST and HEAD
- C. five ... GET, POST, HEAD, DELETE and PUT
- D. seven ... request, response, GET, POST, HEAD, DELETE and PUT

**5. Cookies are a useful resource in the WWW because:**

- A. They allow the user to transfer objects quicker.
- B. They allow each request to have a state between user and server.
- C. They allow the user to browse anonymously on the Internet.
- D. They store temporary files of previous sessions.