

Worksheet 1: Exploring the World Wide Web

Activity 1: Match the Terms

Instructions: Match the terms in **Column A** to their correct definitions in **Column B**.

Column A	Column B
1. HTTP	A. A system for locating resources on the web using addresses.
2. URL	B. The protocol for transferring data on the World Wide Web.
3. HTML	C. A program used to access and display web pages.
4. Browser	D. A markup language used to structure content on web pages.

Activity 2: Draw the Web Request/Response Cycle

Instructions:

Using the information provided below, draw a diagram that illustrates the **web request/response cycle**. Your diagram should include the following components and their connections:

1. **Browser** (represents the user sending a request).
2. **HTTP Request** (the request sent by the browser to the server).
3. **Web Server** (receives and processes the request).
4. **HTTP Response** (the response sent by the server back to the browser).
5. **Browser** (receives the response and displays the web content).

Additional Guidelines:

- Use arrows to show the direction of the communication.
- Label each component clearly.
- Indicate what happens at each step (e.g., "User sends a request," "Server processes the request").

Hint: Your diagram should depict the flow starting from the user's browser, through the web server, and back to the browser.

Activity 3: Short Answer Questions

Instructions: Answer the following questions in the space provided.

1. **What is the role of a web browser?**

Your Answer:

(Hint: Think about how browsers interact with web servers to retrieve and display content.)

2. **What is the difference between HTTP and HTTPS?**

Your Answer:

(Hint: Consider security features and encryption.)

3. **Define a URL and describe its components.**

Your Answer:

(Hint: Mention protocol, domain name, and path.)

4. **What does the term "World Wide Web" refer to?**

Your Answer:

(Hint: Discuss interconnected web resources and their access through the internet.)

Activity 4: Bonus - True or False

Instructions: Mark each statement as **True (T)** or **False (F)**.

1. The World Wide Web is the same as the internet. ()
2. HTTP stands for Hypertext Transfer Protocol. ()
3. HTML is a programming language. ()
4. URLs uniquely identify resources on the web. ()