

Name _____

Unlocking the Web's Secrets: IP Addresses and Domain Names

Open-Ended Response Answer Key

1. To register a domain name for the school club's website, you would need to follow these steps:
 1. Choose a domain name: Select a unique and relevant domain name that represents your school club.
 2. Check domain availability: Use a domain registrar's website to check if the chosen domain name is available. If it's already registered by someone else, you'll need to choose an alternative.
 3. Register the domain: Once you've found an available domain name, register it through a domain registrar. This usually involves creating an account, providing contact information, and paying a registration fee.
 4. Set up DNS: Configure the DNS settings to point the domain name to your club's website. You may need to enter the IP address of your web hosting server or use the registrar's DNS services.
 5. Complete registration: Confirm the registration, review the terms of service, and complete the registration process. You'll typically receive a confirmation email with details about your domain registration.
2. Using domain names offers several advantages over IP addresses for accessing websites:
 1. Human-friendly: Domain names are easier to remember and type than long strings of numbers, making navigation more user-friendly.
 2. Easy to update: Website owners can change the IP address associated with a domain name without affecting users, allowing for server upgrades or migrations.
 3. Multiple services: A single domain name can point to various services on a website (e.g., www for the main site, mail for email, ftp for file transfer), simplifying access to different resources.
 4. Branding: Domain names allow organizations to establish a unique online identity and brand.

