

Name _____

5. Accessibility: Domain names are accessible worldwide, while IP addresses can vary by location and network configuration.
3. Static IP addresses might be preferred over dynamic ones in situations where consistency and control are essential. Some examples include:
 1. Web servers: Websites often use static IP addresses to ensure uninterrupted access, as changing IP addresses can lead to downtime.
 2. Remote access: Businesses may use static IPs for remote access to secure their networks and devices.
 3. Online gaming: Gamers might use static IPs for a more stable connection and to avoid conflicts.
 4. Dynamic IP addresses, on the other hand, are suitable for most everyday internet usage, such as browsing, emailing, and video streaming. They are often more cost-effective and efficient for ISPs to manage, but they can change periodically.
4. The coexistence of both IPv4 and IPv6 addresses benefits the internet in several ways:
 1. Address availability: IPv6 provides a larger pool of addresses, addressing the scarcity of IPv4 addresses and accommodating the growing number of devices connected to the internet.
 2. Transition period: As the internet gradually transitions to IPv6, having both versions allows for compatibility and a smoother transition.
 3. Future-proofing: IPv6 is designed to meet the internet's addressing needs for the foreseeable future, ensuring its continued growth and expansion.
 4. Global accessibility: IPv6 improves global accessibility and connectivity, especially in regions where IPv4 addresses are exhausted.
 5. Enhanced security: IPv6 includes built-in security features, contributing to a more secure and robust internet infrastructure.

