

Name _____

Discovering the Cloud: Exploring IaaS, PaaS, and SaaS

Open-Ended Response Answer Key

1. (Sample answer) Cloud computing services like IaaS, PaaS, and SaaS have revolutionized how businesses operate and how individuals use technology. They have increased efficiency by allowing easy scalability of resources, improved accessibility by enabling remote work, and fostered innovation by providing tools for software development. These services have made technology more accessible and adaptable to changing needs.
2. (Sample answer) For a small startup looking to develop and launch a mobile app, Platform as a Service (PaaS) offers several advantages. PaaS provides a development environment with pre-configured tools and services, reducing the setup time for development teams. It also facilitates collaboration among team members, as they can work on the same platform regardless of their physical location. PaaS simplifies the deployment process, allowing the startup to focus on coding and improving the app's functionality.
3. (Sample answer) Organizations adopting Software as a Service (SaaS) applications may face challenges such as data security concerns, integration with existing systems, and potential downtime or service disruptions. To address these challenges, businesses can implement data encryption and access controls to enhance security. Integration solutions, like API connectors, can help streamline interactions with existing systems. Monitoring and redundancy strategies can minimize downtime and disruptions, ensuring a seamless SaaS experience.
4. (Sample answer) The future of cloud computing holds exciting possibilities. We can anticipate advancements in areas like edge computing, artificial intelligence integration, and enhanced cybersecurity measures. These innovations will make cloud services even more versatile and secure. Cloud computing is likely to continue shaping our digital world by offering scalable, accessible, and efficient solutions for various applications and industries.

