GCP-430 Getting Started with Google Kubernetes Engine

No	Questions	Help
1	**Which of the following best describes the function of containers?** ( ) They virtualize the operating system ( ) They allow you to save and move applications to new hardware ( ) They remove the need for application dependencies ( ) They virtualize the hardware	Single Answer
2	**Which of the following are advantages of using containers over virtual machines? (Choose 3)** [ ] The application images are smaller and more portable [ ] They make it easier to develop micro-services [ ] They abstract the computer hardware layer [ ] Development, Staging and Production configurations are identical	Multiple Answers
3	**You must use Google Container Registry when orchestrating containers with Kubernetes.** ( ) False ( ) True	True / False
4	**Multiple containers can use the same underlying operating system image.** ( ) False ( ) True	True / False
5	**Which kubernetes component is responsible for doing health checks?** ( ) Kubelet ( ) Pod ( ) Service ( ) Node	Single Answer
6	**Which kubernetes component can function as a load-balancer for pods in an application?** ( ) Pod	Single Answer

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	( ) Service ( ) Kubelet ( ) Node	
7	**What option can you use to identify specific pods within an application?** ( ) service ( ) node ( ) app name ( ) labels	Single Answer
8	**What kubernetes resource can you use to share data between pods?** ( ) service ( ) volume ( ) label ( ) node	Single Answer
9	**What option in a YAML file allows you to designate the number of pods a deployment should have?** ( ) ReplicaSet, replicas ( ) Pod, replicas ( ) App, replicas ( ) Deployment, replicas	Single Answer
10	**Scaling a deployment does NOT trigger a new rollout.** ( ) False ( ) True	True / False
11	**A Canary deployment of an application will work witha subset of live, unaltered user connections.** ( ) True ( ) False	True / False
12	**A Blue-Green deployment of an application uses the labels on a service to switch traffic to a new deployment** ( ) False ( ) True	True / False
13	**Which GCP resource can automatically build new images by detecting changes to application code?** ( ) Kubernetes Master Node ( ) GitHub ( ) Cloud Build	Single Answer

	( ) Docker	
14	**What open-source CI/CD tool can be used to build a pipeline for updating apps in Kubernetes?** ( ) Cloud Functions ( ) Cloud Build ( ) Jenkins ( ) Spinnaker	Single Answer
15	**What command can you use to verify that a kubernetes cluster is running from Cloud Shell?** ( ) gcloud container clusters list ( ) gcloud kubernetes clusters list ( ) gcloud compute clusters list ( ) gcloud managed clusters list	Single Answer
16	**Jenkins is deployed to Kubernetes as an application.** ( ) False ( ) True	True / False