**2: Azure Architecture and Services**

1. What Microsoft Azure object contains multiple datacenters that are connected by a low-latency network?

*Select the correct option.*

a. A geography

b. A region (correct answer)

c. An availability set

d. A pair

2. Availability sets are made up of which of the following?

*Select all that apply.*

a. Update domains

b. Region pairs

c. Fault domains

d. A geography

3. Which of the following statements about virtual machines (VMs) and containers is true?

*Select all that apply.*

a. All VMs share the same operating system instance.

b. VMs are isolated from the host hardware, while containers are not.

c. All containers share the same operating system instance.

d. VMs and containers are isolated from the host hardware.

4. Availability Zones allow customers to run mission-critical applications with what benefits?

Select all that apply.

a. High availability

b. Low-latency replication

c. Offsite backup

d. Live migration

5. What strategy employs a series of mechanisms to slow the advance of an attack aimed at acquiring

unauthorized access to data?

*Select the correct option.*

a. Ciphertext

b. Blob security

c. Network security layers

d. Defense-in-depth

6. Which layer of Defense-in-depth is focused on preventing network-based attacks?

*Select the correct option.*

a. Data layer

b. Identity and Access layer

c. Perimeter layer

d. Compute layer