# Azure Load Balancer and Application Gateway Quiz

**1. Which Azure service is best suited for distributing traffic across virtual machines within a virtual network?**

* a) Azure Application Gateway
* b) Azure Load Balancer
* c) Azure Traffic Manager
* d) Azure Front Door

**2. What feature does Azure Application Gateway provide that Azure Load Balancer does not?**

* a) Layer 4 load balancing
* b) Health probes
* c) SSL termination
* d) High availability

**3. Which Azure service supports URL-based routing?**

* a) Azure Load Balancer
* b) Azure Application Gateway
* c) Azure Traffic Manager
* d) Azure VPN Gateway

**4. What is the primary protocol supported by Azure Load Balancer?**

* a) HTTP/HTTPS
* b) TCP/UDP
* c) FTP
* d) SMTP

**5. Which Azure service is most appropriate for web application firewall (WAF) capabilities?**

* a) Azure Load Balancer
* b) Azure Application Gateway
* c) Azure Traffic Manager
* d) Azure ExpressRoute

**6. What type of load balancing does Azure Load Balancer provide?**

* a) Layer 7
* b) Global DNS-based
* c) Layer 4
* d) Application-aware

**7. Which Azure service allows session affinity (cookie-based persistence)?**

* a) Azure Load Balancer
* b) Azure Application Gateway
* c) Azure Traffic Manager
* d) Azure Bastion

**8. Which Azure service is best suited for distributing traffic across multiple regions based on performance?**

* a) Azure Load Balancer
* b) Azure Application Gateway
* c) Azure Traffic Manager
* d) Azure Virtual Network

## Answers

1. b) Azure Load Balancer

2. c) SSL termination

3. b) Azure Application Gateway

4. b) TCP/UDP

5. b) Azure Application Gateway

6. c) Layer 4

7. b) Azure Application Gateway

8. c) Azure Traffic Manager