AWS Quiz on Global Infrastructure

1. In order to put multiple EC2 instances inside a placement group, the EC2 instances must be

   - In the same region
   - In the same edge location
   - In the same availability zone
   - Cross the multiple region

2. EC2 instances are launched from Amazon Machine Image (AMI). A given public AMI can:
   - Only be used to launch EC2 instances in the same edge location as the AMI is stored.
   - Only be used to launch EC2 instances in the same AWS region as the AMI is stored.
   - Be used to launch EC2 instances in any AWS regions.
   - Only be used to launch EC2 instances in the same AWS availability zone as the AMI is stored.

3. When you are launching an instance with EC2 in US East Region, AWS recommends which Availability Zone for the instance?
   - Eu-west-1a
   - Eu-east-1a
   - The user can never select the availability zone while launching an instance.
   - Do not select the AZ; instead let AWS select the AZ.

4. When using the following AWS services, which should be implemented in multiple Availability Zones for high availability. Choose 2 answers
   - Subnet in VPC
   - EC2
   - DynamoDB
   - Elastic Load Balancing
   - S3

5. A user has launched one EC2 instance in the US East region and one in the US West region. The user has launched an RDS instance in the US East region. How can the user configure access from both the EC2 instances to RDS?
   - It is not possible to access RDS of the US East region from the US West region
   - Configure the security group of the US East region to allow traffic from the US West region's instance and configure the RDS security group's ingress rule for the US East EC2 group
   - Configure the security group of both instances in the ingress rule of the RDS security group
   - Configure the key pair of both instances in the ingress rule of the RDS key pair

- Configure the US West region's security group to allow a request from the US East region's instance and configure the RDS security group's ingress rule for the US East EC2 group

Answers:

1. In the same Available Zone
2. Only be used to launch EC2 instances in the same AWS region as the AMI is stored.
3. Do not select the AZ, instead let AWS select it.
4. EC2, Elastic Load Balancing
5. Configure the security group of the US East region to allow traffic from the US West region's instance and configure the RDS security group's ingress rule for the US East EC2 group.