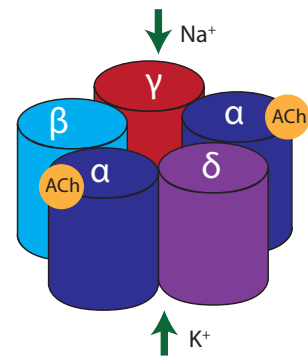
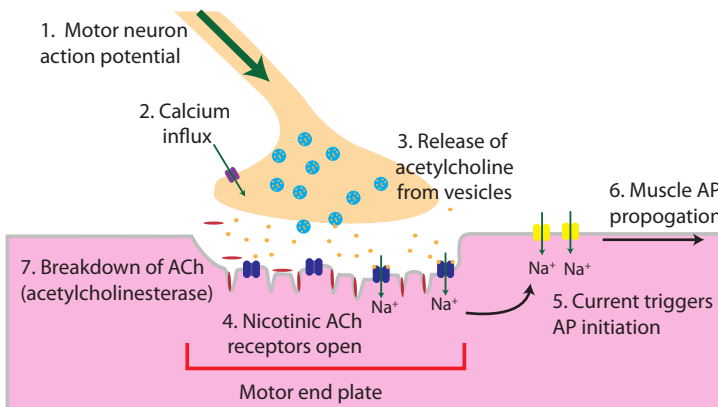


The candidates were shown a diagram of a neuromuscular junction and asked to label the various components.

Subsequent questions sought knowledge of the processes occurring at the prejunctional / junctional / post junctional nerve terminal, to classify neuromuscular blockers, their mechanisms of action, and the pharmacokinetic properties that influence speed of onset and potency.

**“Please label the neuromuscular junction”**



**“Please classify the neuromuscular blockers”**

Is usually in terms of the depolarising and non depolarising blockers  
the non depolarising are further classified by

chemical structure

- aminosteroids - vec and rocuronium,
- benzoquinolones - cis and atracurium

duration of action

- short - mivacurium
- medium - vecuronium
- long - pancuronium

**“What influences the speed of onset and potency of neuromuscular blockers?”**

there is an inverse relationship between potency and onset of action

low potency drugs require higher doses to achieve ED<sub>95</sub>, which means quicker NMJ saturation