Using the concept map provided, explain your predictions and indicate where botulinus toxin exerts its effects:

1. **Pre-synaptic Action Potential**
2. **Opens voltage-gated**
   - Pre-synaptic Ca+2 channels
   - which causes
     - Influx of Ca+2
     - and triggers
       - **Exocytosis of Ach**
       - **diffuses across synapse**
         - Ach binds to post-synaptic receptors
         - opening ion channel
           - Post-synaptic membrane depolarizes (EPP)
           - creating voltage
             - Voltage-gated Na+ open if threshold is reached (AP)
             - causing
               - Muscle Contraction