

Action-potential

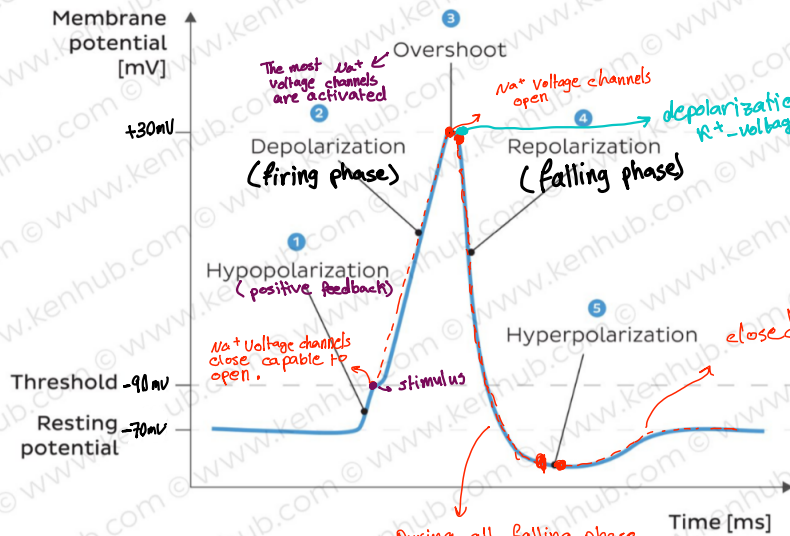
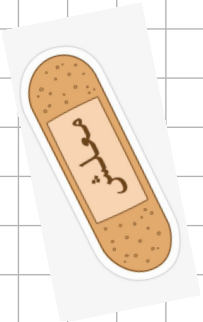
2 + 3 →

During an action potential, the cell is not able to respond to another stimulus. From the firing stage to the end of the first third of falling phase the cell will not respond at all even by a stronger stimulus. In this stage the cell is said to be in absolute refractory period. From the beginning

1/3

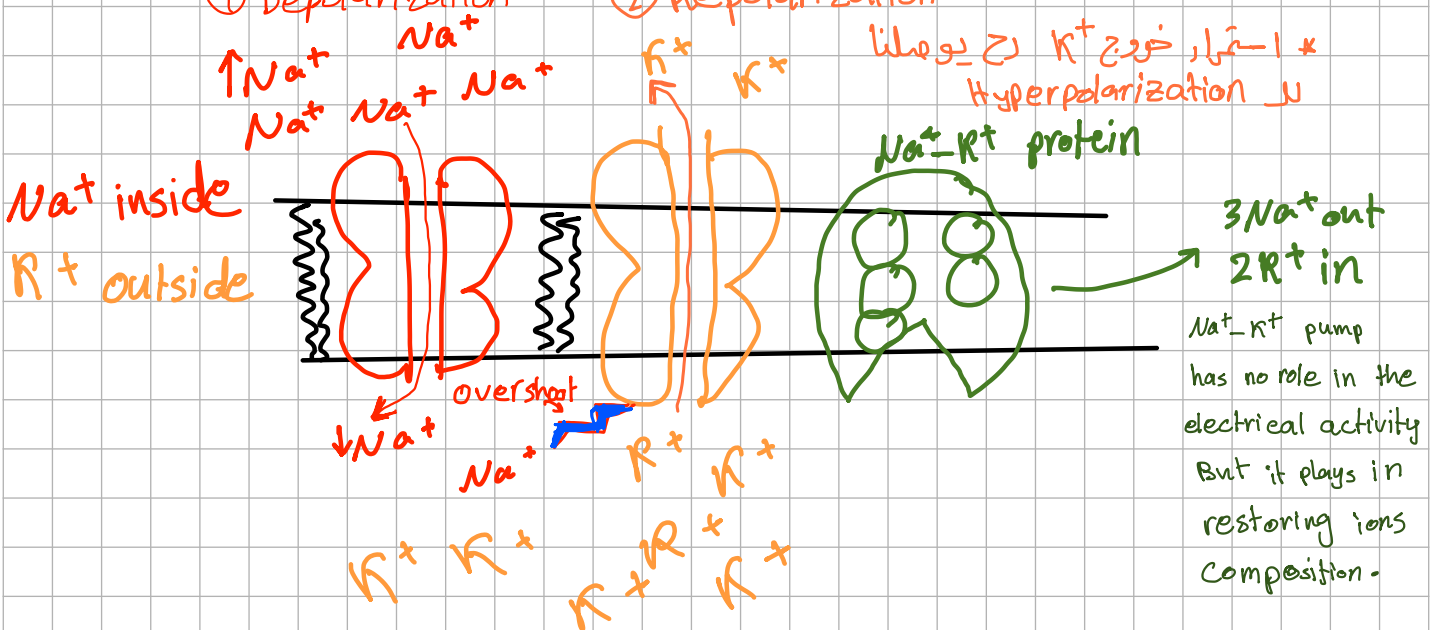
4 + 5 →

From the beginning of the second phase until the resting membrane potential is achieved, the cell cannot respond to the usual stimulus, but a stronger stimulus can change the membrane potential. In this period, the cell is in relative refractory period.



① Depolarization

② Repolarization



During all falling phase these channels remain closed Not capable to open

الباقیاتُ الصّالِحَاتُ

- اسْتَغْفِرُ اللَّهَ وَأَتُوبُ إِلَيْهِ

- لَا حَوْلَ وَلَا قُوَّةَ إِلَّا بِاللَّهِ

- لَا إِلَهَ إِلَّا أَنْتَ سُبْحَانَكَ

- إِنِّي كُنْتُ مِنَ الظَّالِمِينَ

- اسْتَغْفِرُ اللَّهَ الَّذِي لَا إِلَهَ إِلَّا

هُوَ الْحَيُّ الْقَيُّومُ وَأَتُوبُ إِلَيْهِ

- سُبْحَانَ اللَّهِ

- الْحَمْدُ لِلَّهِ

- لَا إِلَهَ إِلَّا اللَّهُ

- اللَّهُ أَكْبَرُ

- سُبْحَانَ اللَّهِ وَبِحَمْدِهِ

- سُبْحَانَ اللَّهِ الْعَظِيمِ