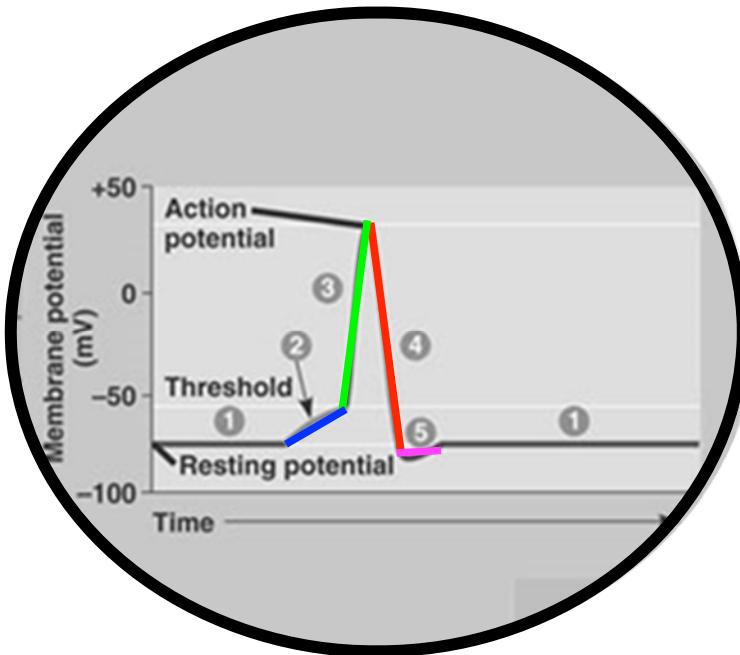


Action Potential Generation



1. Resting membrane potential
 2. Excitation
 3. Depolarization
 4. Repolarization
 5. Hyperpolarization
- absolute refractory period
- relative refractory period

Stage	Membrane potential	Pump / Channel Activity	Ion Movement	Ability to Send AP
1	-70 mV	Na-K Pump	Na+ OUT K+ IN	yes
2	(more +ve)	Ligand & voltage gated Na+ open	Na+ IN	yes
3	(more +ve)	More Voltage gated Na+ open	Na+ IN	no
4	(more -ve)	Na+ inactive K+ open	K+ OUT	no
5	(more -ve)	Na+ resting state K+ closing slowly	K+ OUT	yes