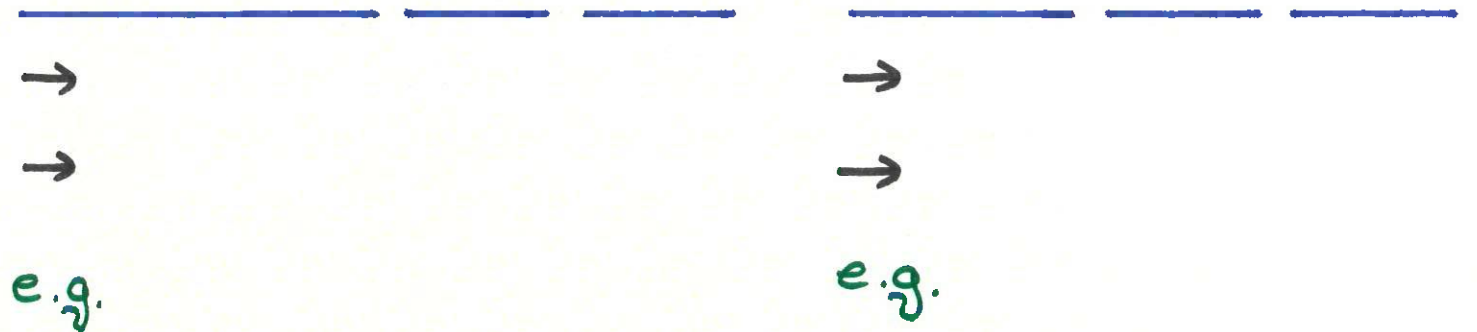
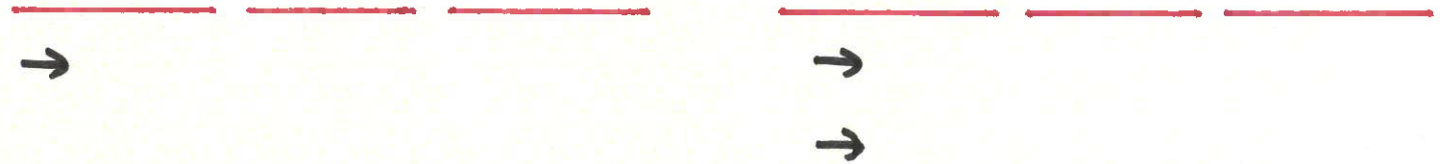




Introduction to the Nervous System

Nervous Communication

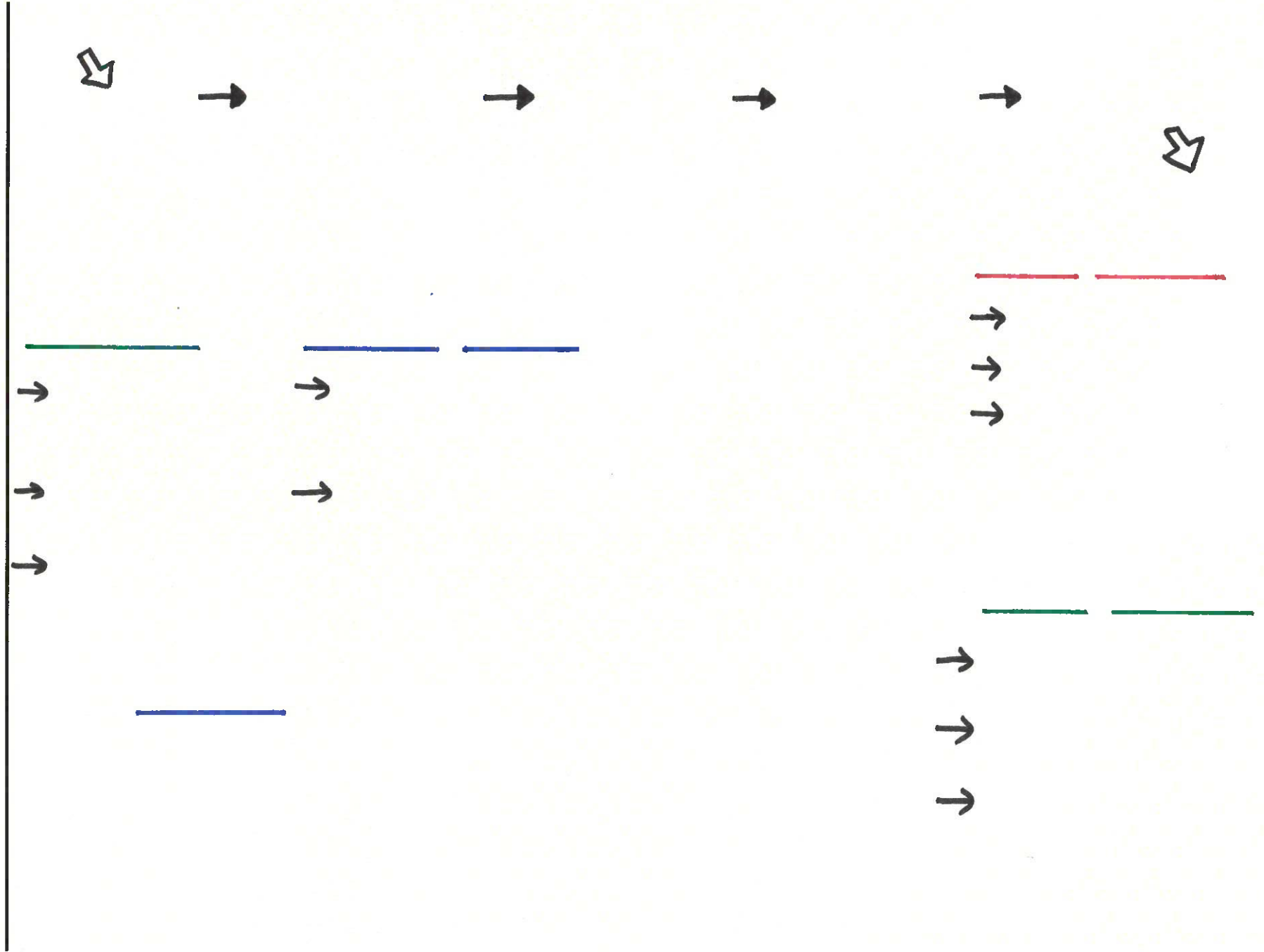
→
→
→





Receptors & Neurones

1 2 3 4 5

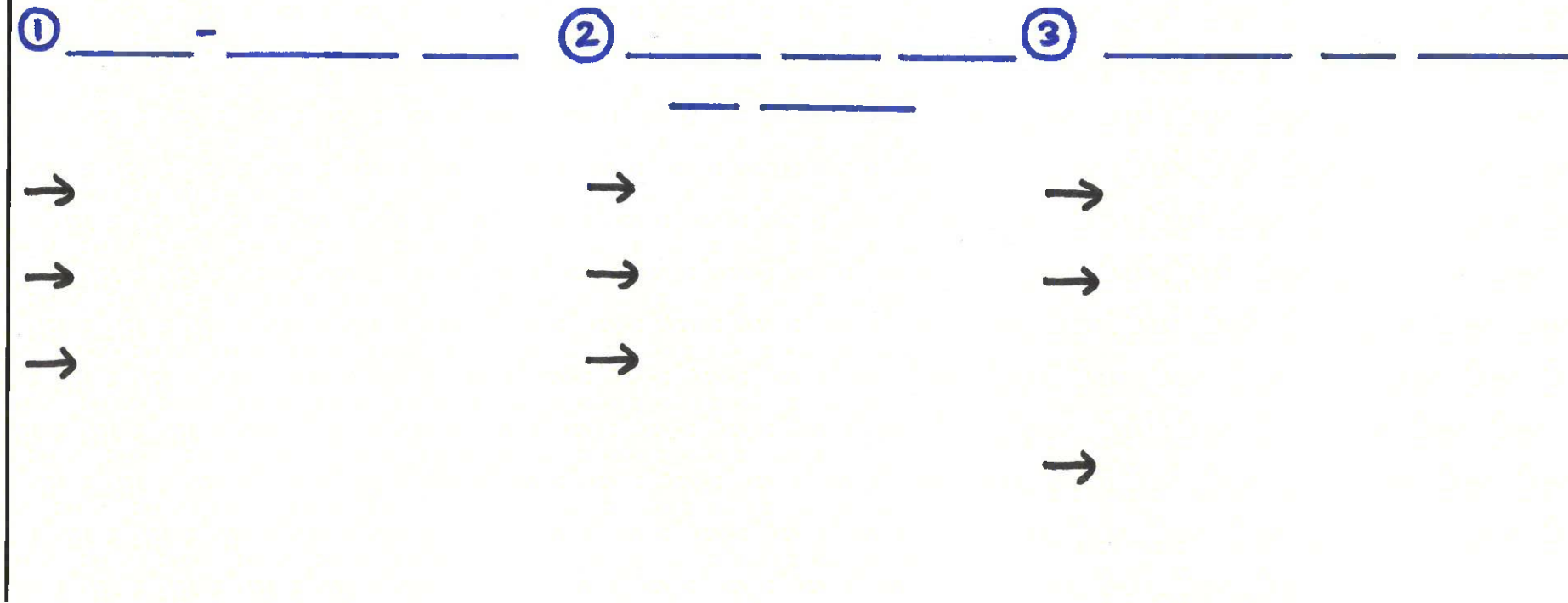




Resting Potential

1 2 3 4 5

Key





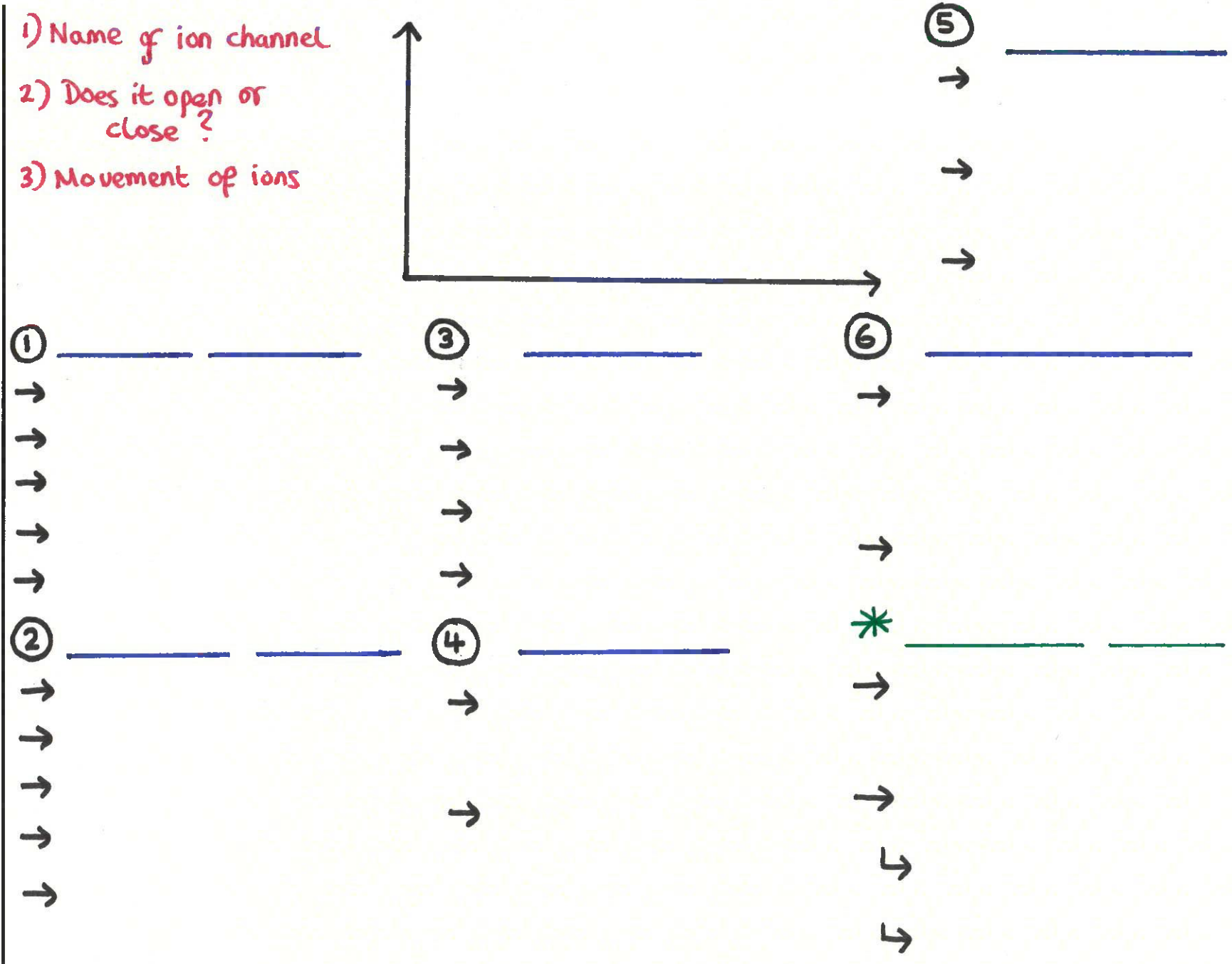
Action Potentials

1 2 3 4 5

1) Name of ion channel

2) Does it open or close?

3) Movement of ions





All or Nothing Law

- 1
- 2
- 3
- 4
- 5

Resting Potential

Depolarisation

Repolarisation

Hyperpolarisation

All or Nothing Law

* Refractory Period



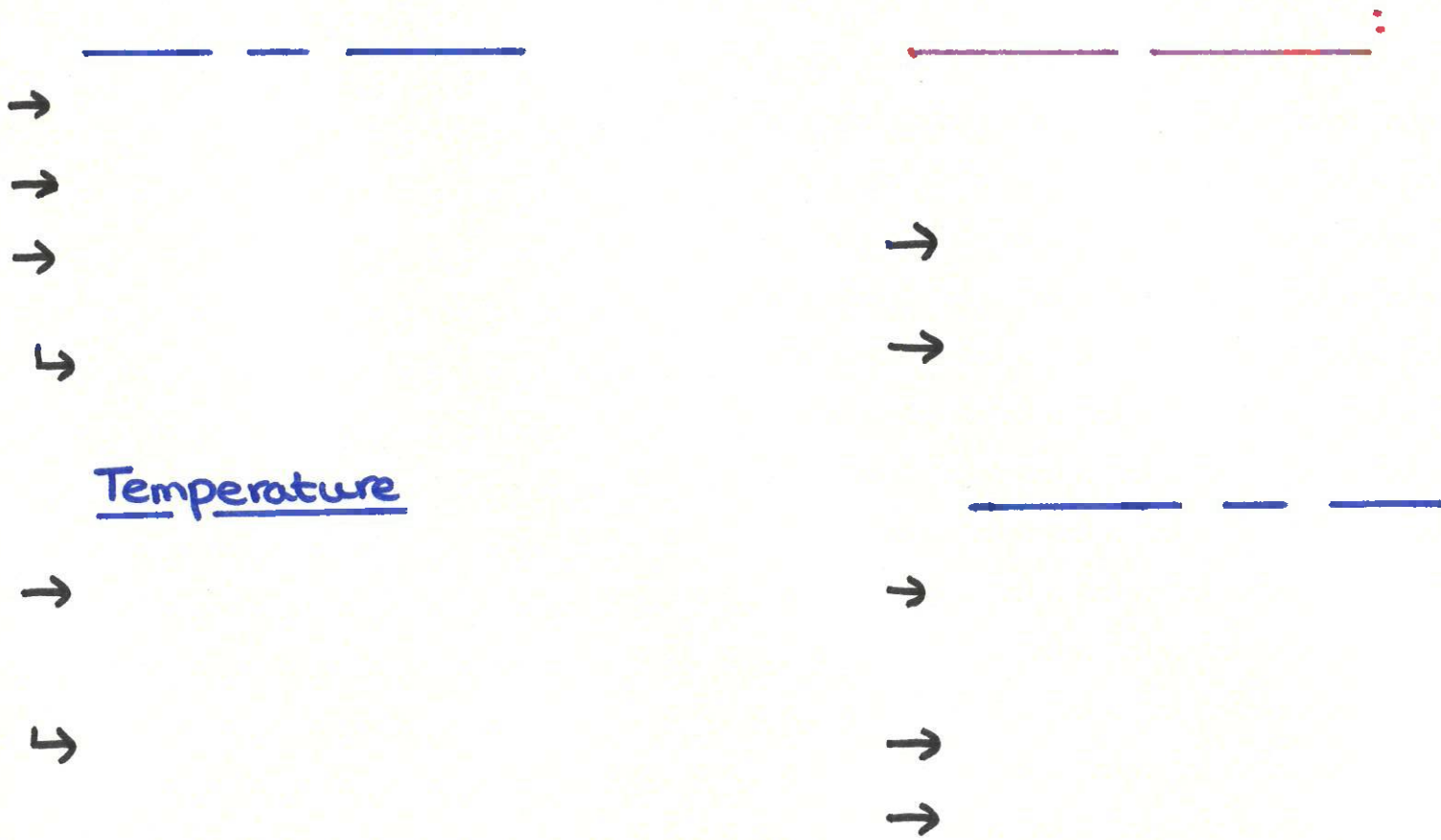


Myelination & Saltatory Conduction

- 1
- 2
- 3
- 4
- 5

Saltatory
Conduction

Motor Neurone





Synapses

- 1
- 2
- 3
- 4
- 5

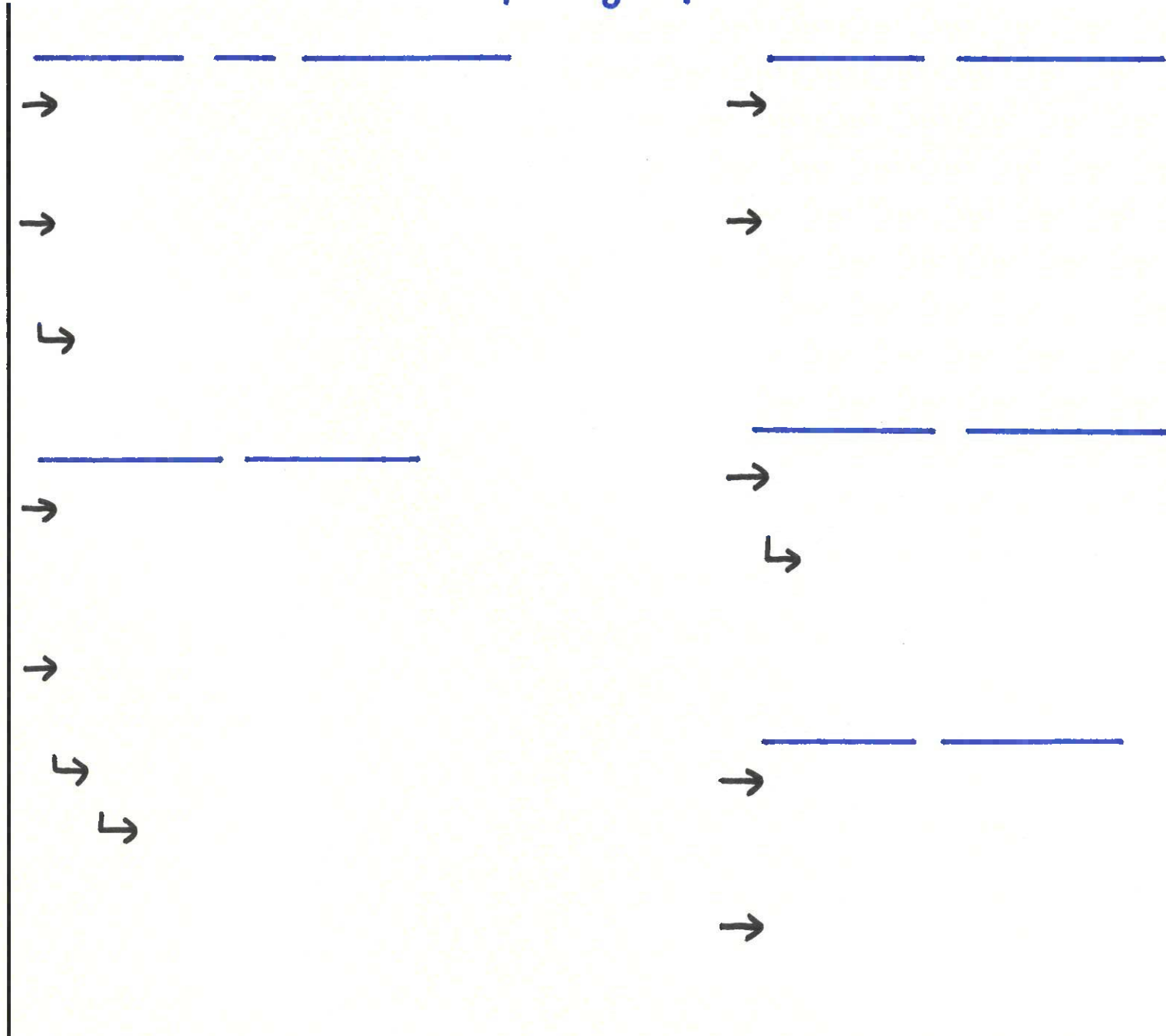
Synapse :
→
e.g.

- ①
- ②
- ③
- ④
- ⑤
- ⑥
- ↳
- ⑦
- ⑧
- ⑨
- ⑩

key-



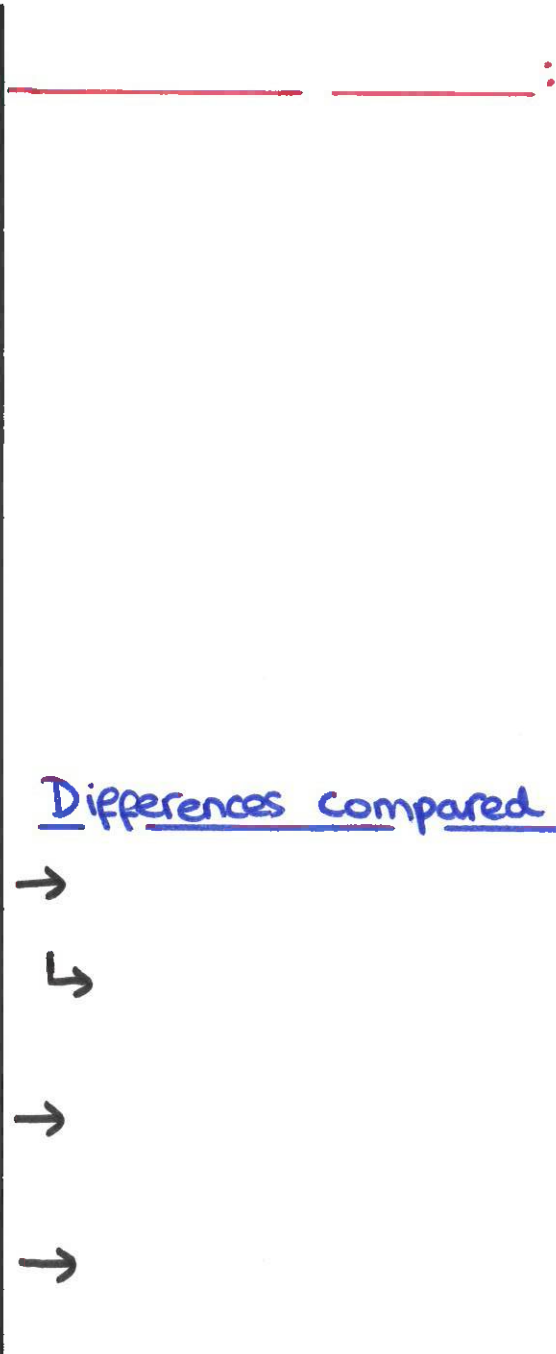
The Role of Synapses





Neuromuscular Junctions

Neuromuscular
Junction



Differences compared to a cholinergic synapse

-
- ↳
-
-