



Plant Responses : Growth Hormones

Tropism

_____ :
Growth Hormones

Phototropism



Geotropism



Shoots:

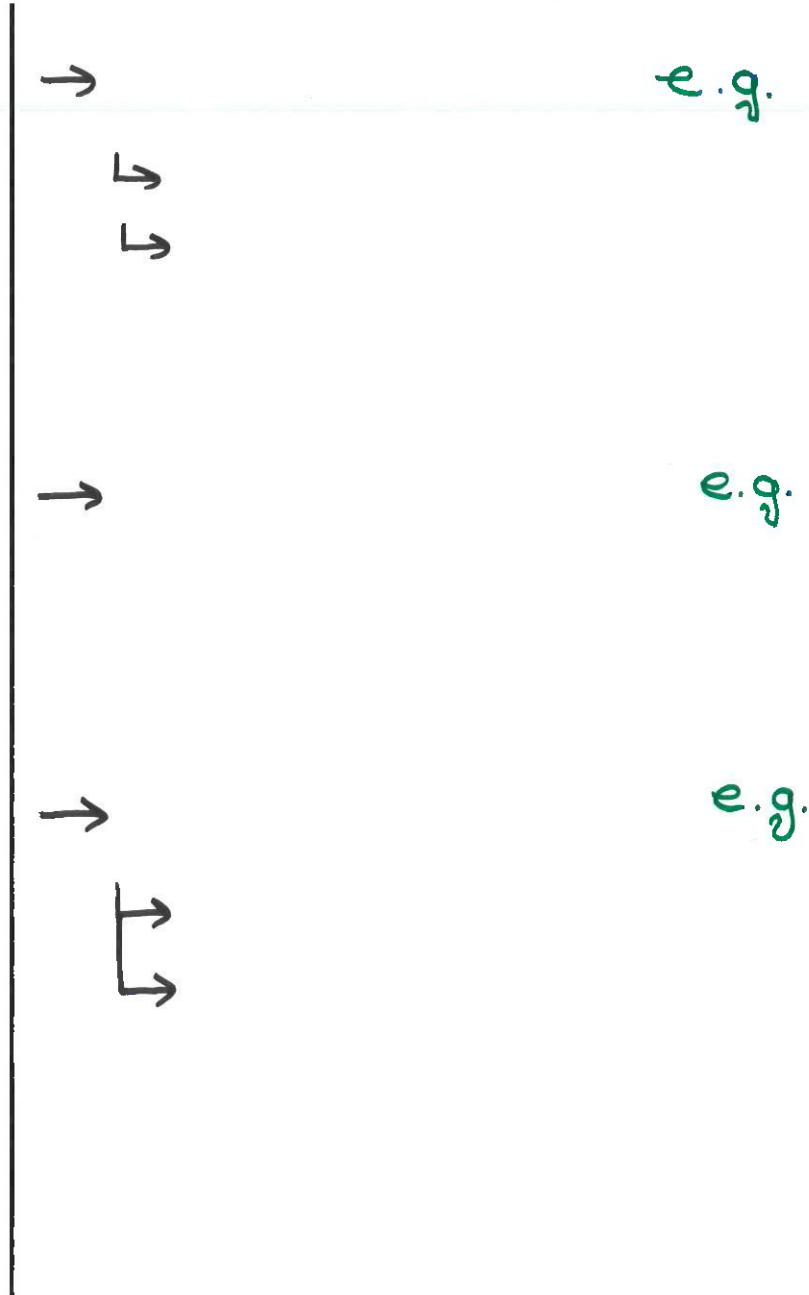
Roots:

Shoots:

Roots:



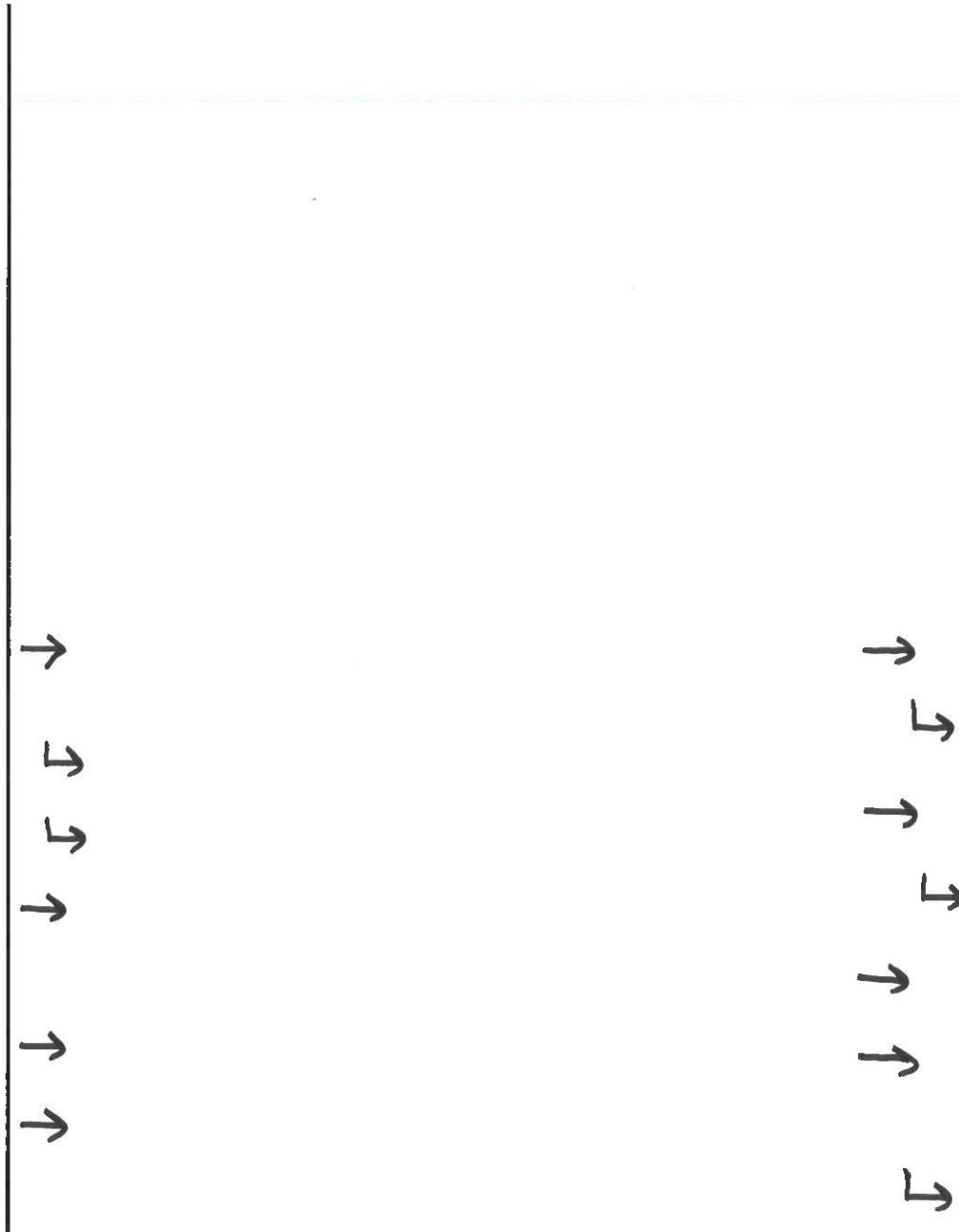
Plant Responses to Herbivory





Apical Dominance

- 1
- 2
- 3
- 4
- 5

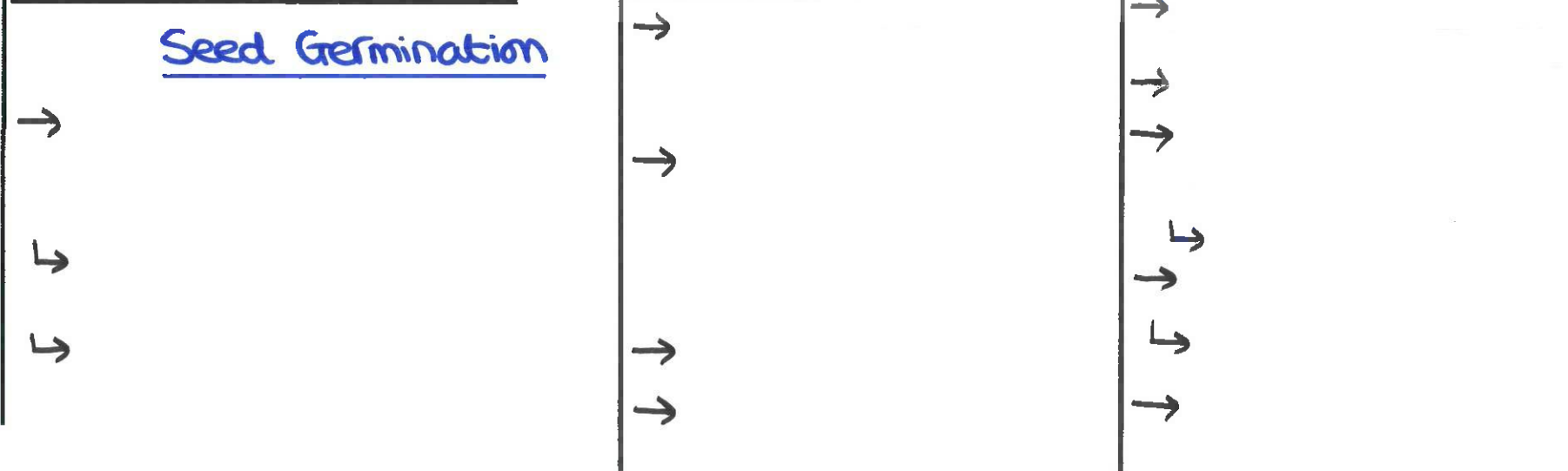




Summary of Plant Hormones

1 2 3 4 5

Made by				
Causes/ Promotes				
Inhibits				
Commercial use				





TT

Reflexes

Reflexes

- 1
- 2
- 3
- 4
- 5

_____:

Advantages

-
-
-
- ↳

e.g.

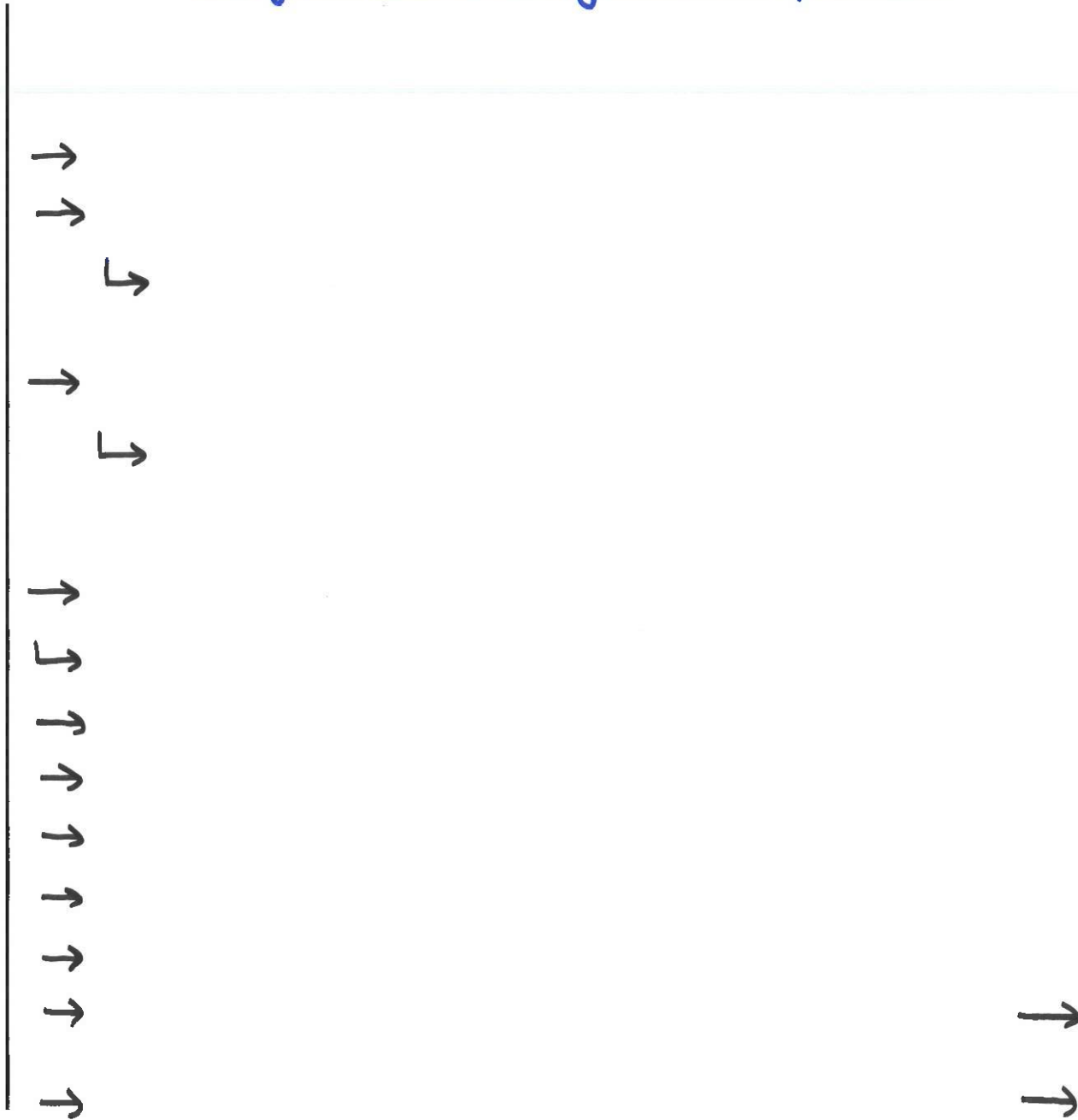
Knee Jerk Reflex

-
- ↳



Fight or Flight Response

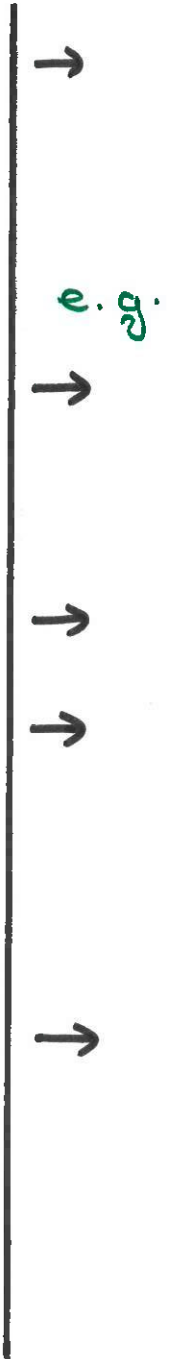
- 1
- 2
- 3
- 4
- 5





Second Messengers

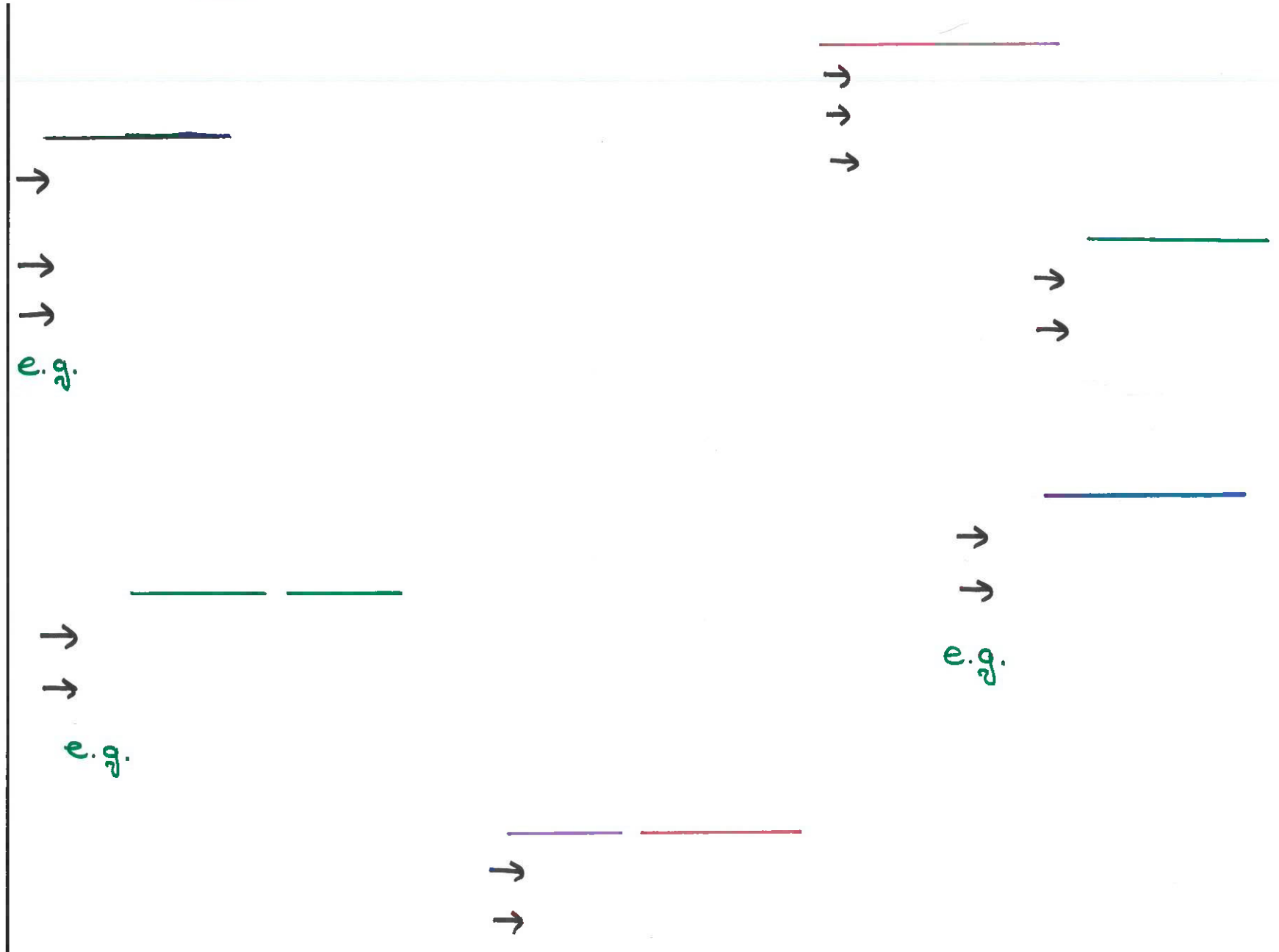
1 2 3 4 5





The Human Brain

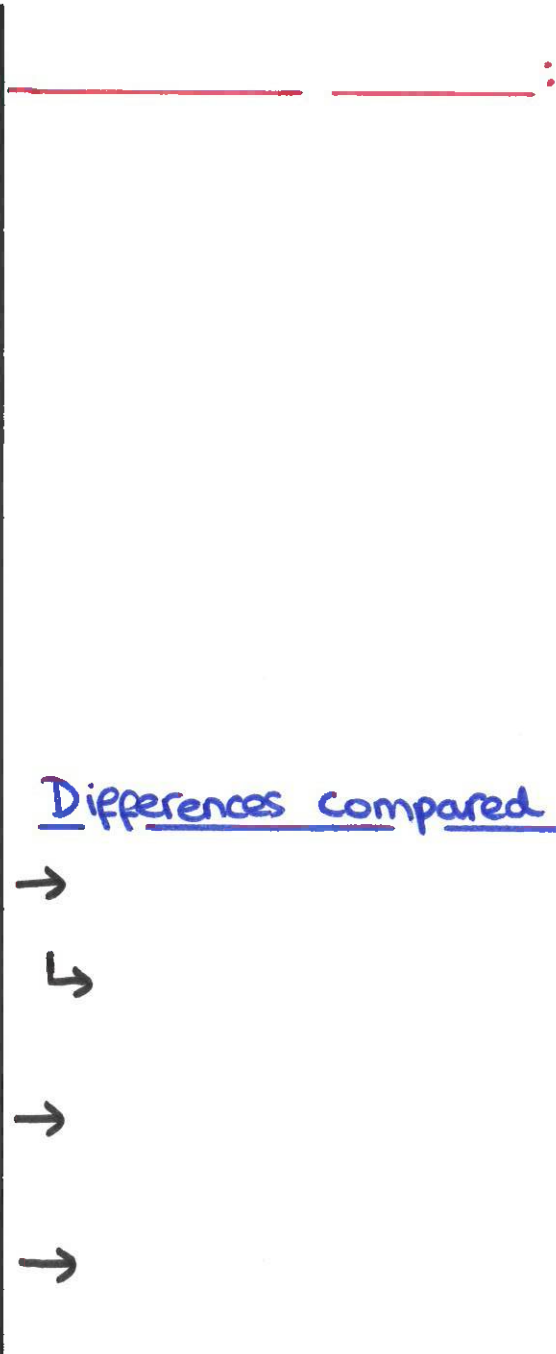
- 1
- 2
- 3
- 4
- 5





Neuromuscular Junctions

Neuromuscular
Junction

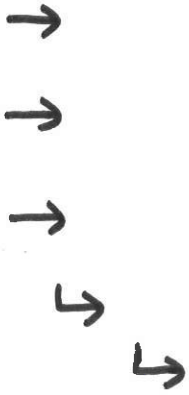


Differences compared to a cholinergic synapse



Skeletal / Voluntary Muscle

1 2 3 4 5





Sliding Filament Theory

1 2 3 4 5

Relaxed Muscle



Contracting Muscle





Sarcomere Contraction

- 1
- 2
- 3
- 4
- 5

Relaxed Sarcomere

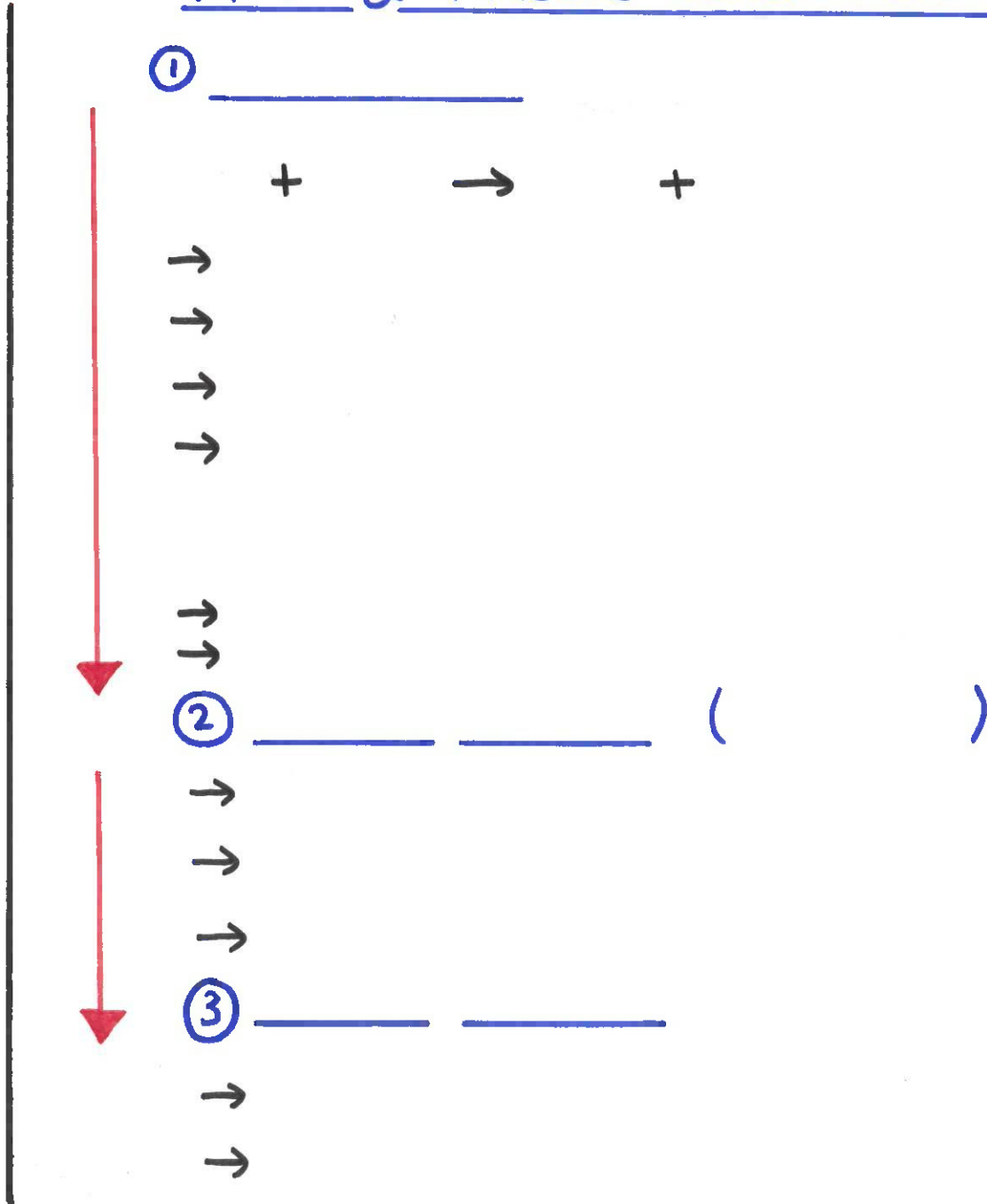
Contracted Sarcomere

When a Sarcomere Contracts...





ATP & Muscle Contraction



1)
2)
e.g.

Types of Muscle

1 2 3 4 5



Voluntary Muscle Skeletal Muscle Striated Muscle	Involuntary Muscle Smooth	Cardiac Muscle
→ → → → → → → → e.g.	→ → → e.g. → →	→ → → → → → → →