Biology Essentials - 018

Positive and Negative Feedback Loops

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Positive and Negative Feedback Loops

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Positive and Negative Feedback Loops

Homeostasis

Feedback

Target Set Point

Alteration

Negative

Positive

Diabetes mellitus

Stabilization

Amplification

Temperature Regulation

Fruit Ripening

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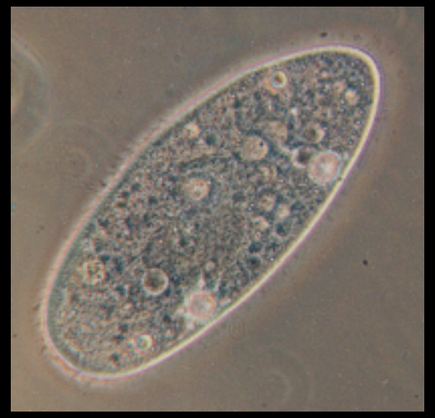
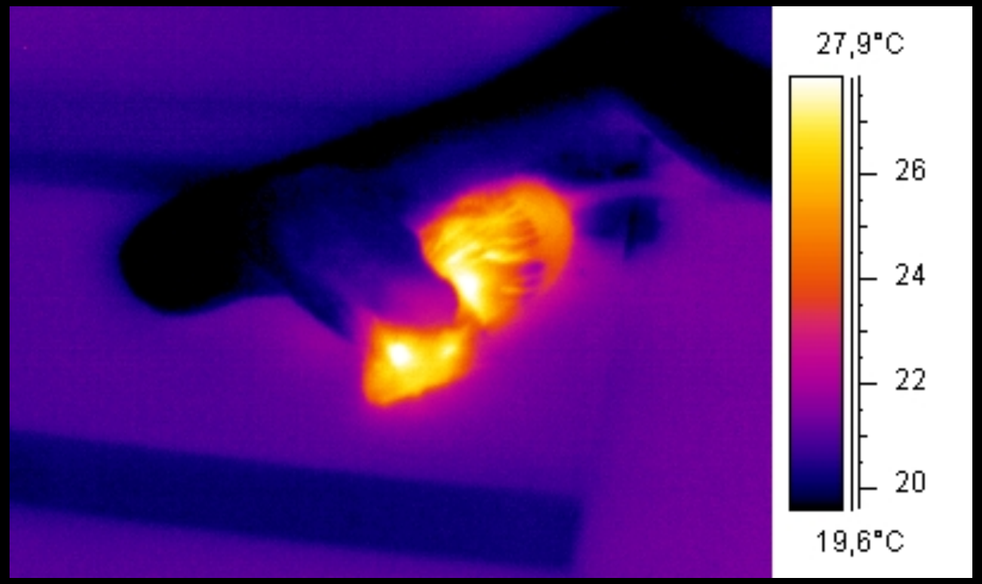
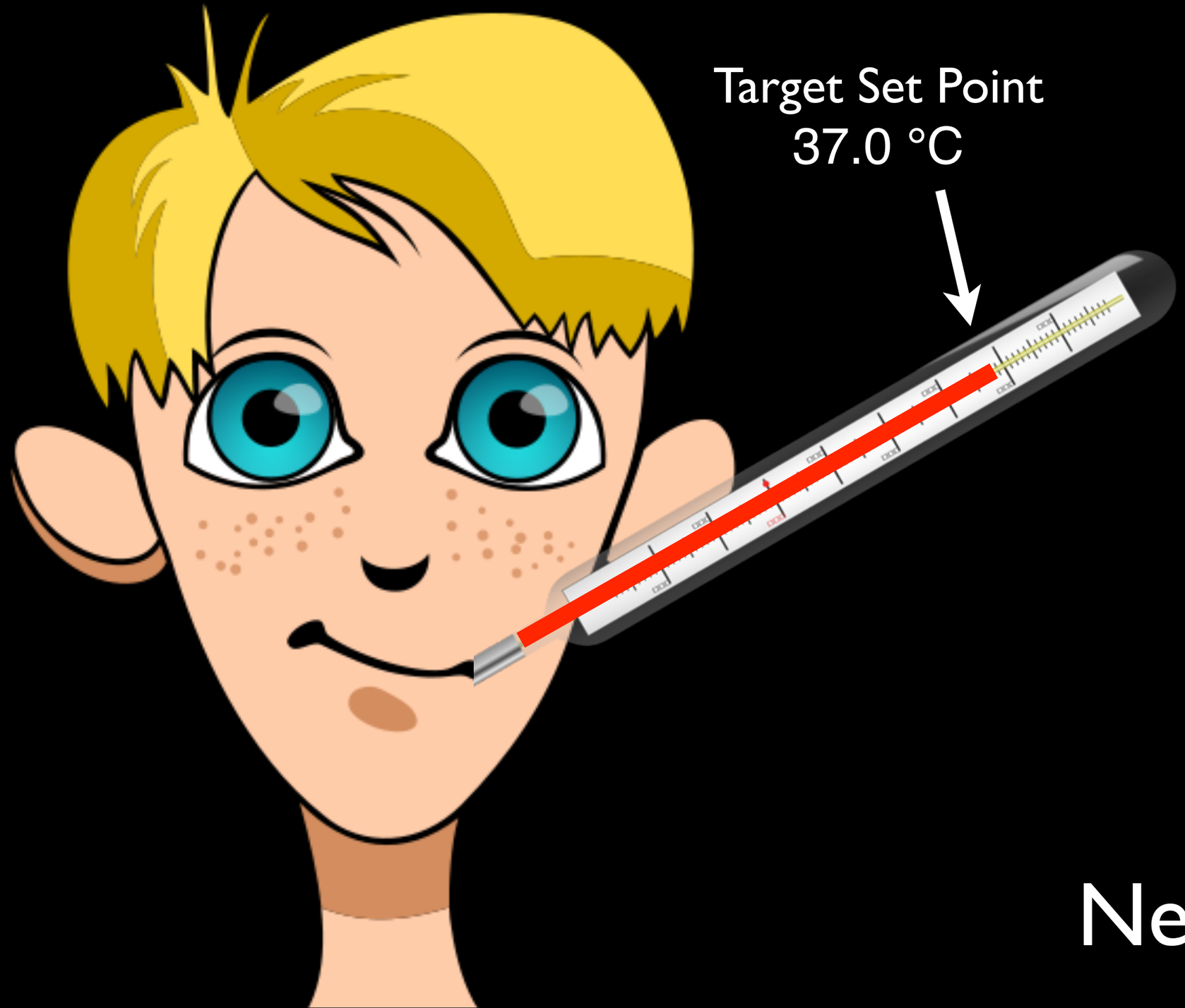


Homeostasis


27,9°C
26
24
22
20
19,6°C

Stabilization



Negative Feedback

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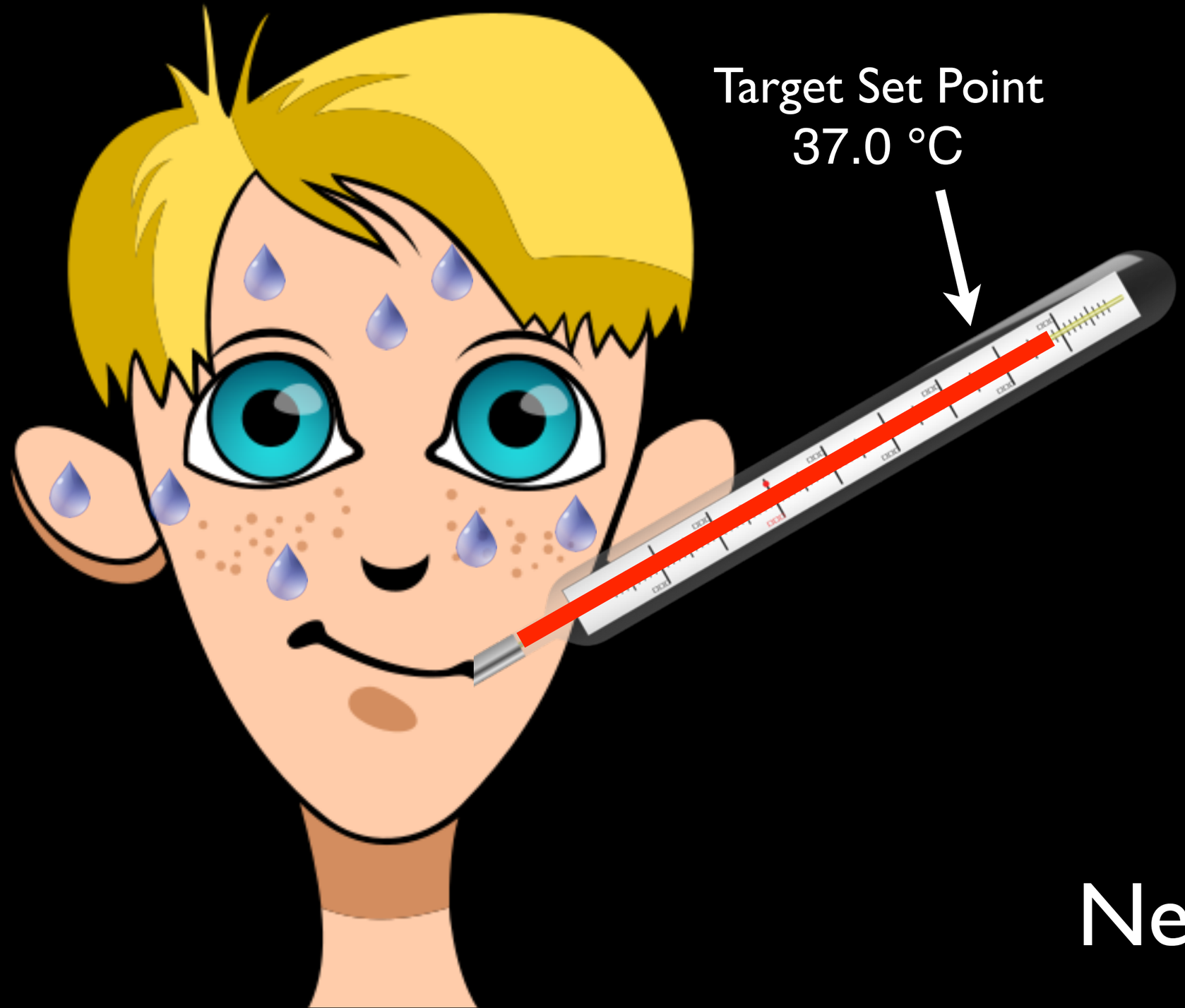
Stabilization



Negative Feedback

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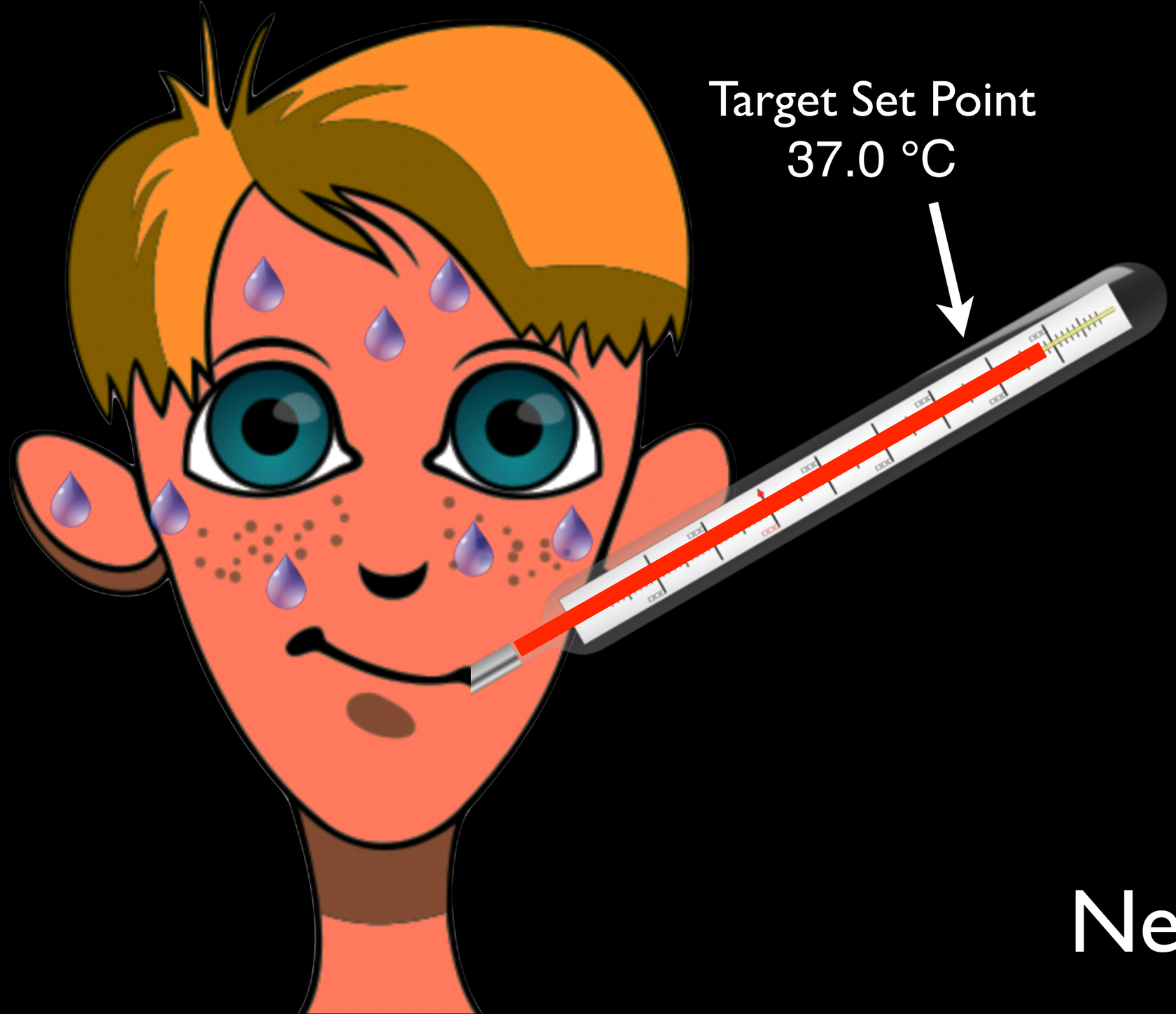
Stabilization



Negative Feedback

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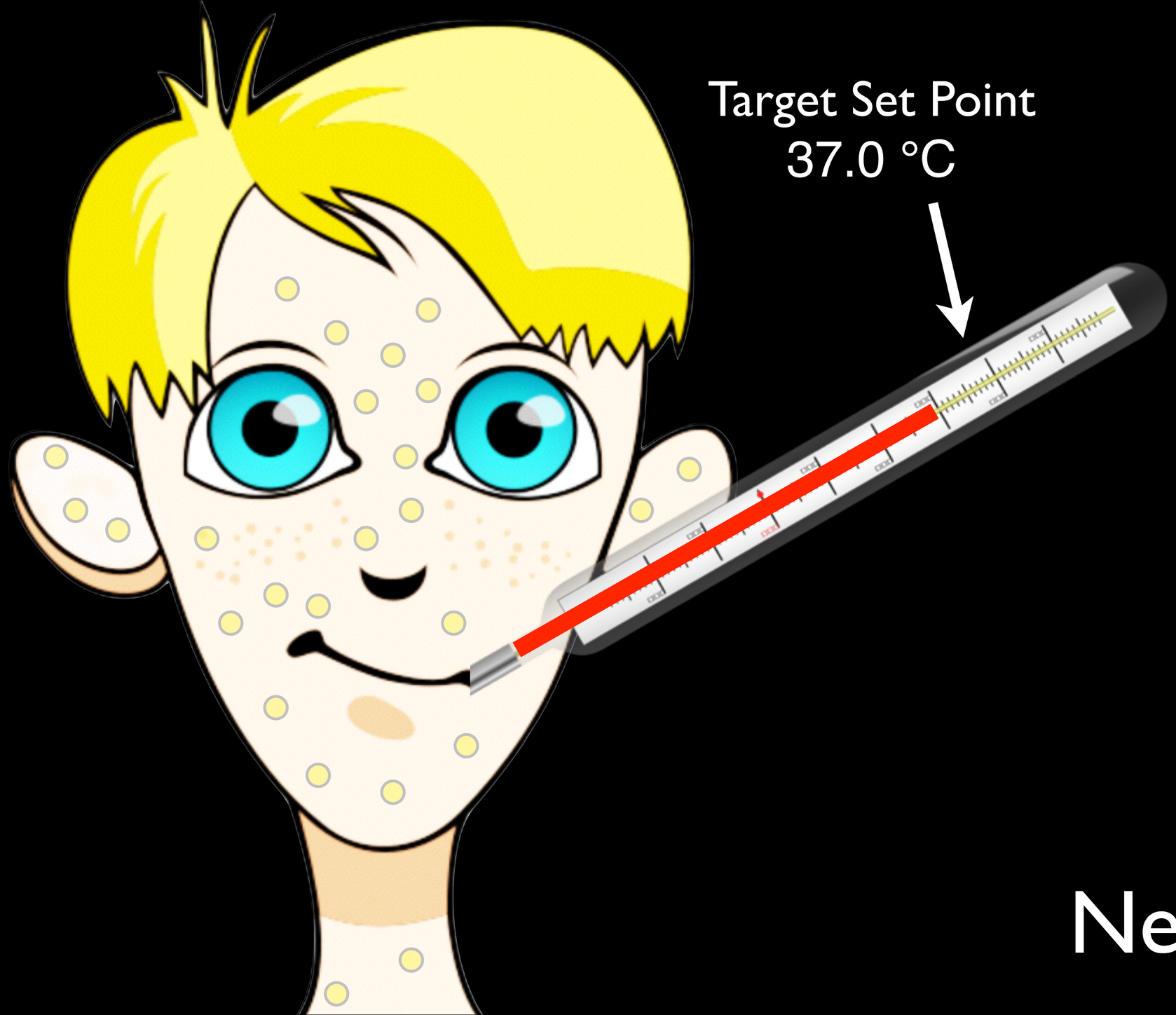
Stabilization



Negative Feedback

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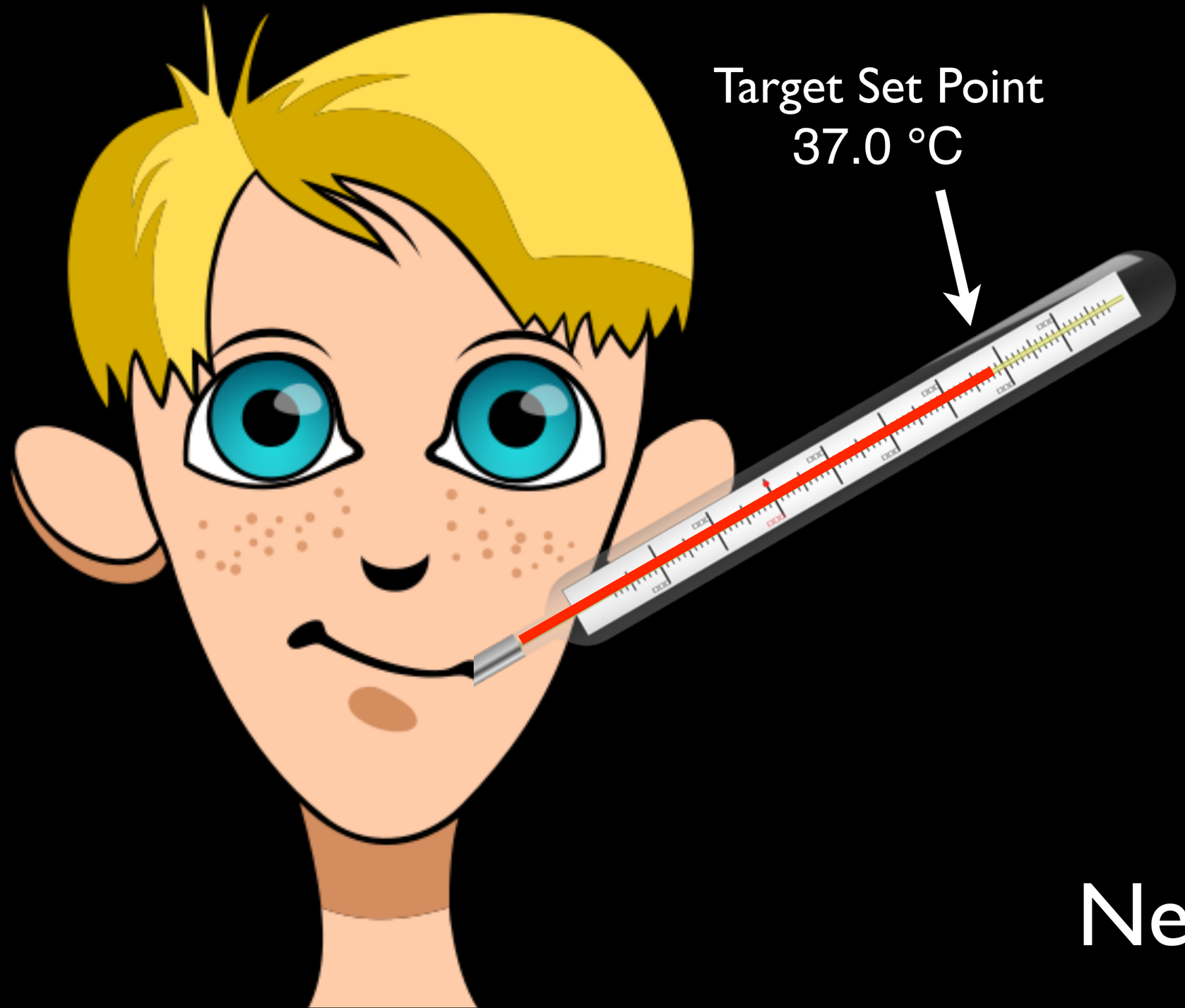
Stabilization



Negative Feedback

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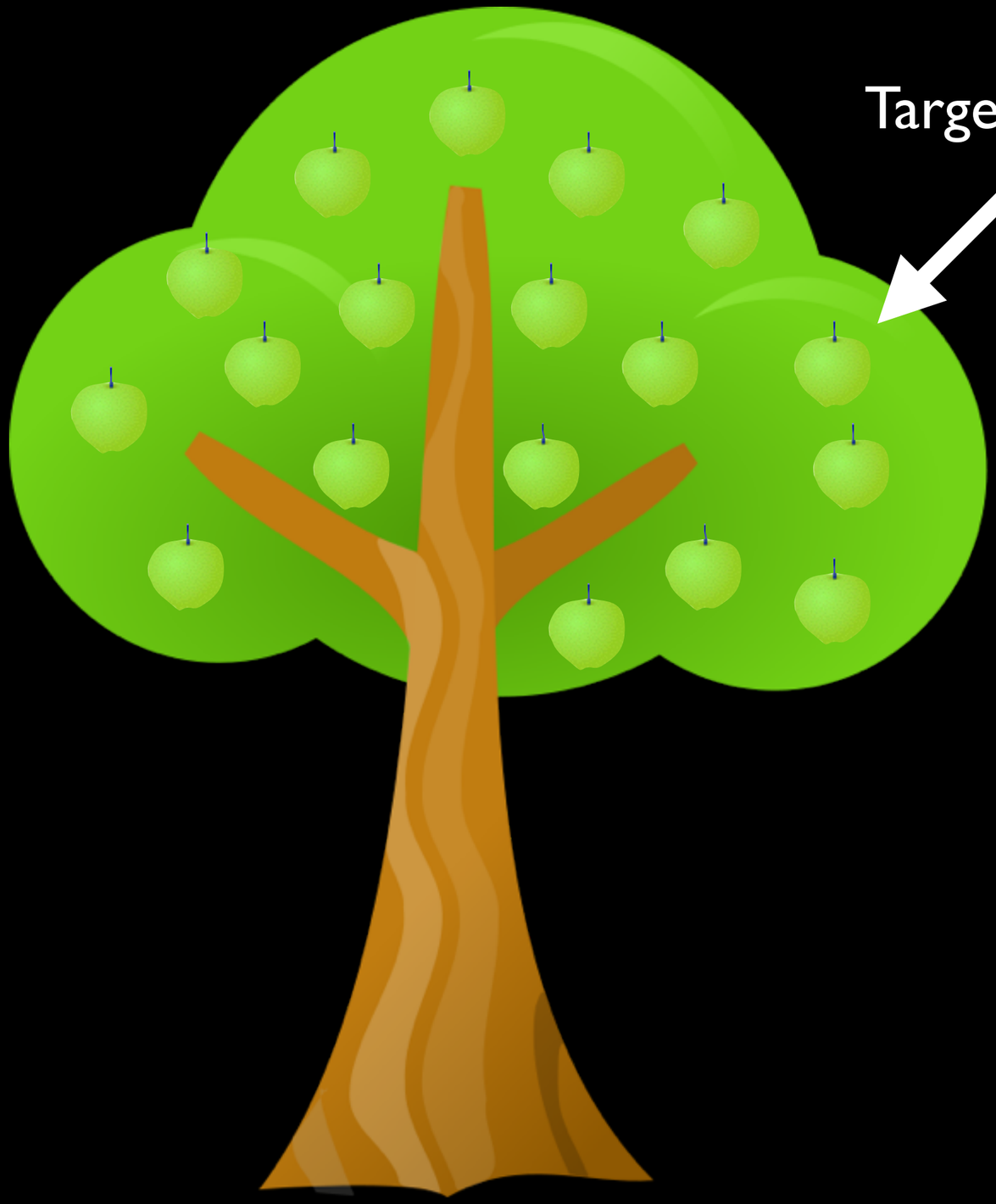
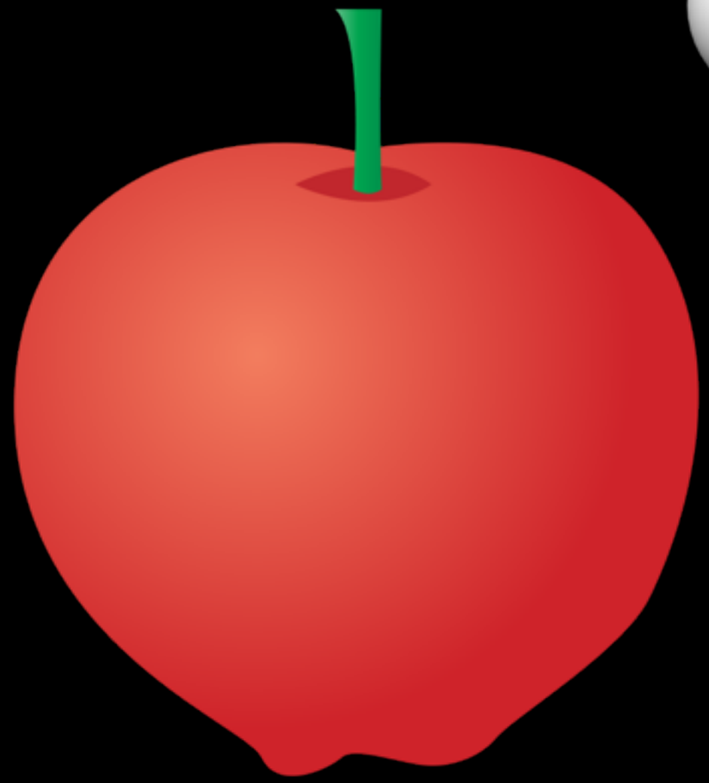
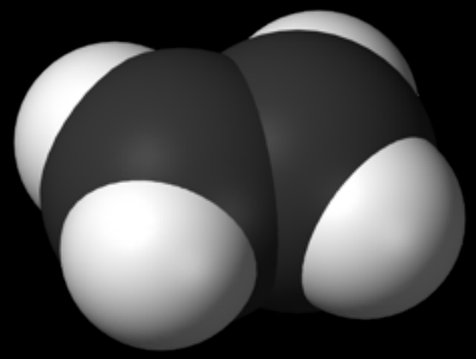


Target Set Point

Amplification





Ethylene

Positive Feedback

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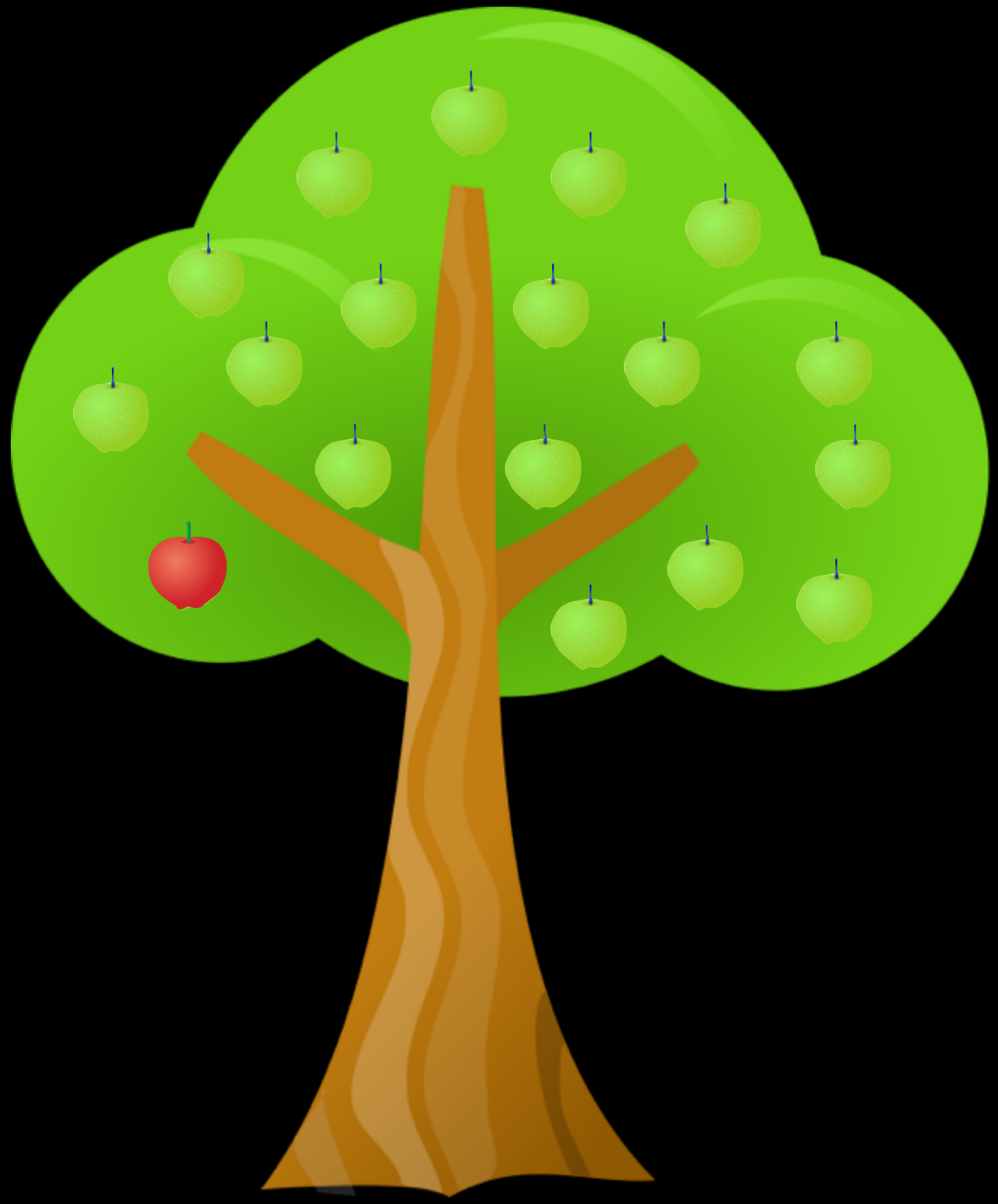
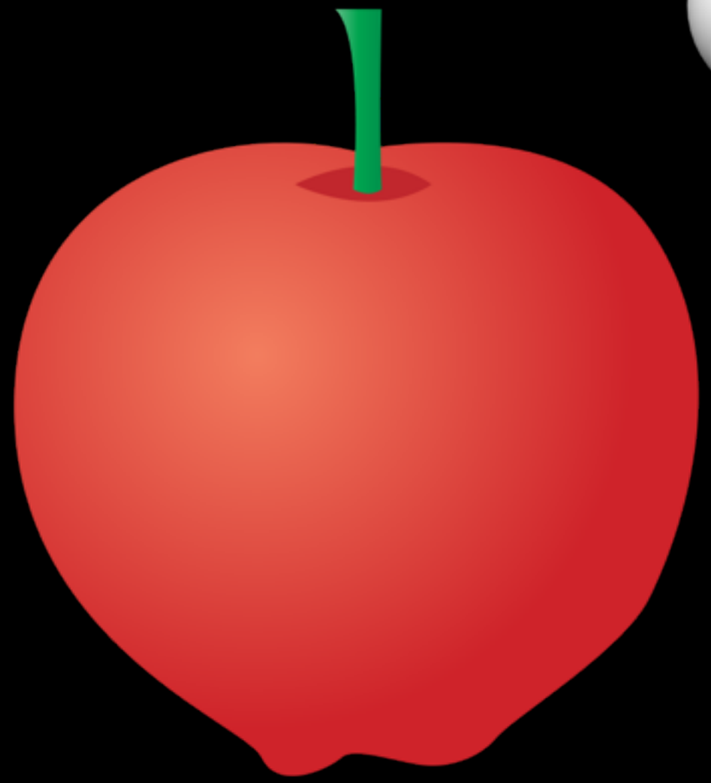
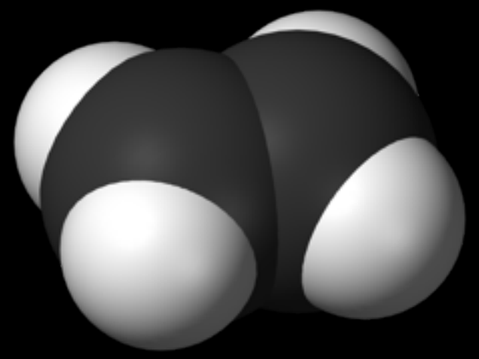


Amplification





Ethylene

Positive Feedback

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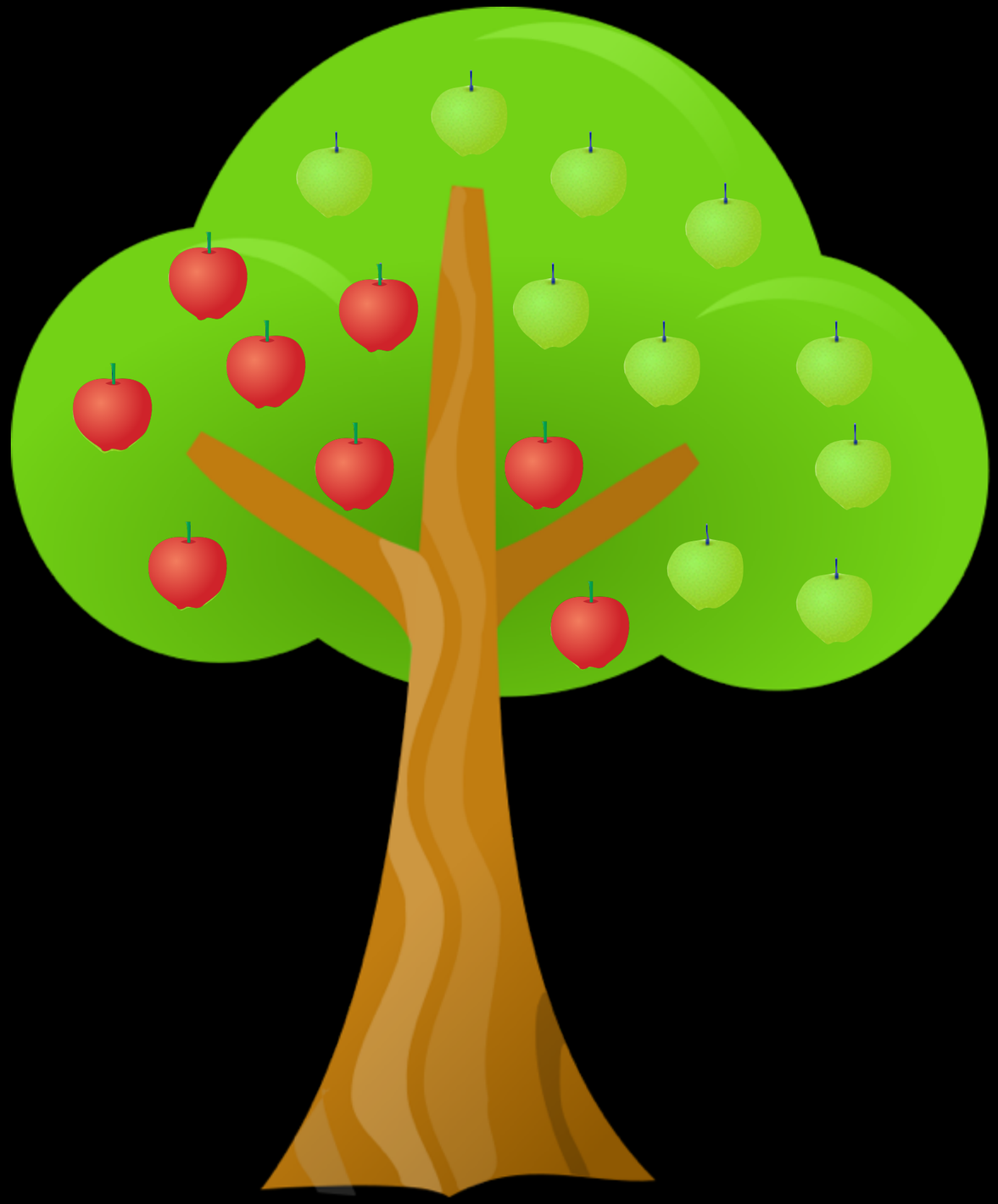

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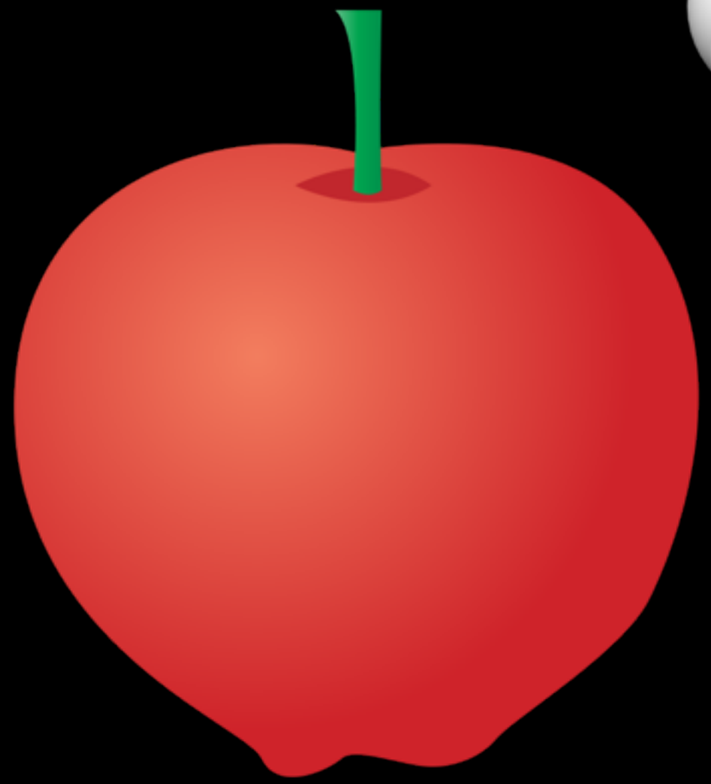

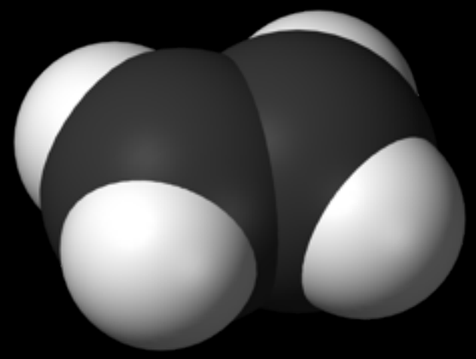

Ethylene

Positive Feedback

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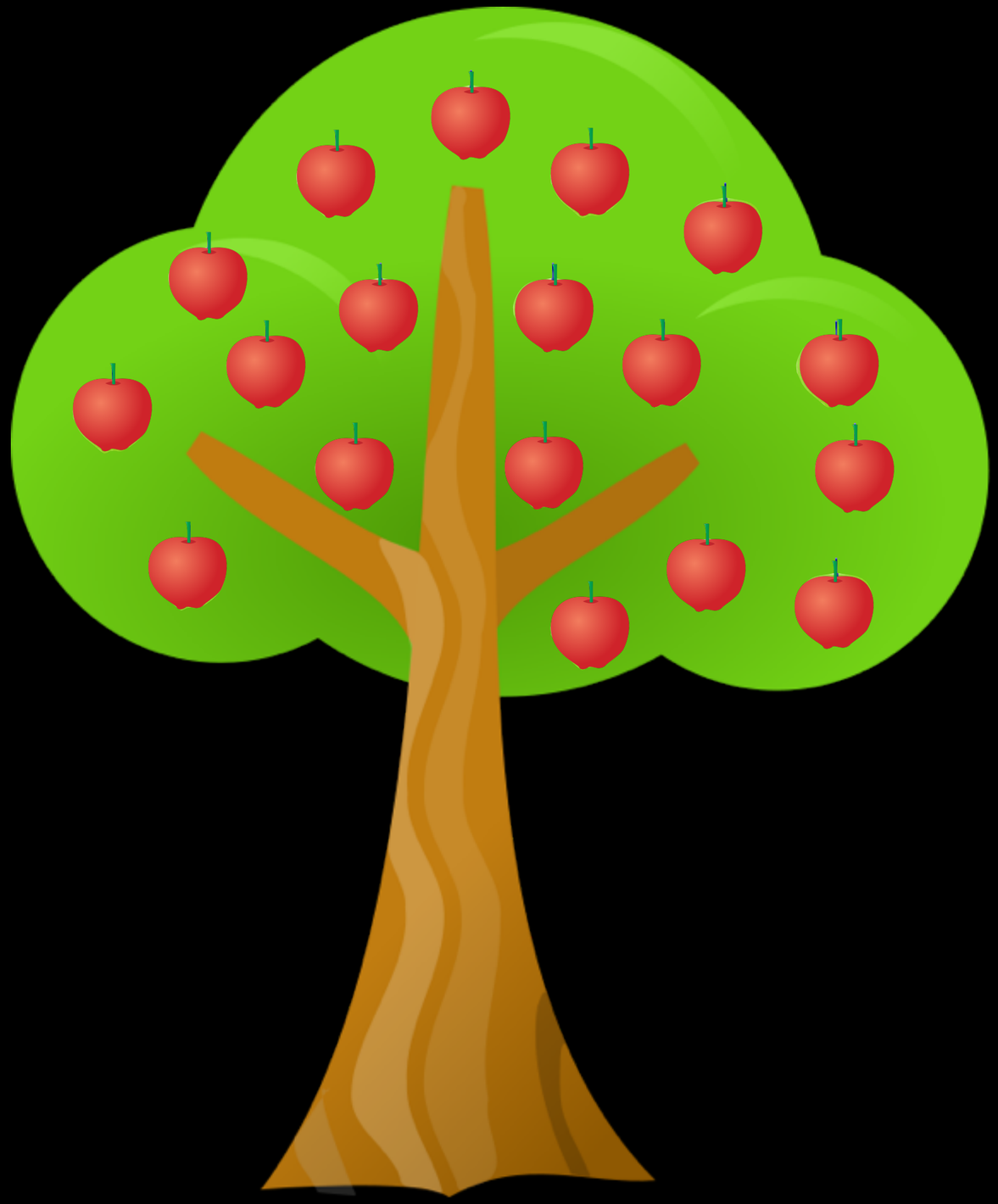

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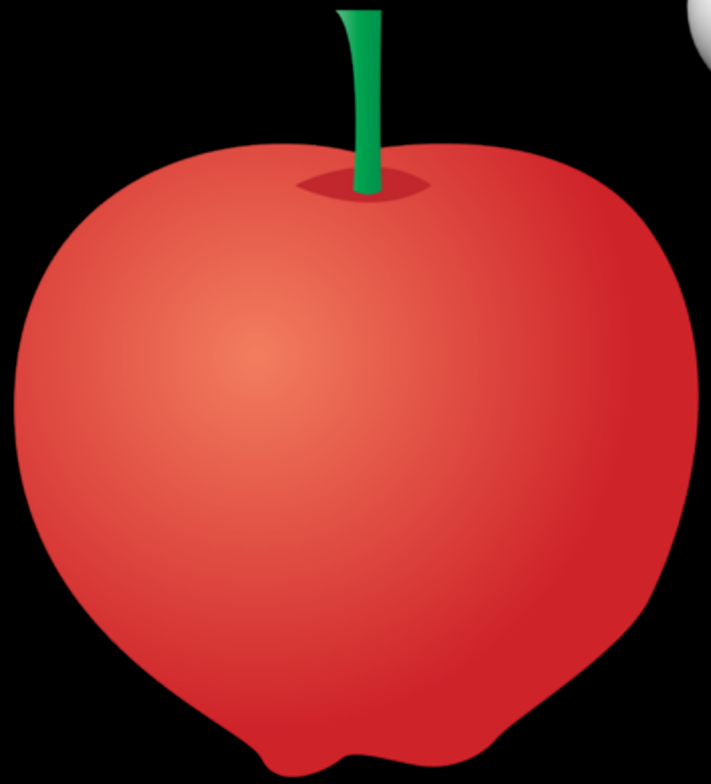

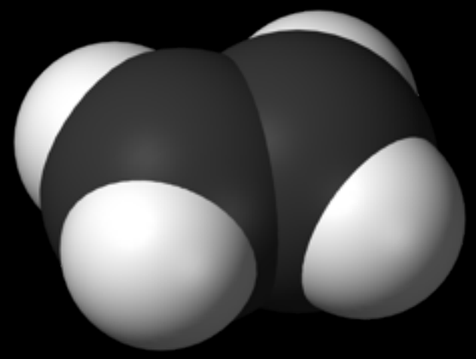

Ethylene

Positive Feedback

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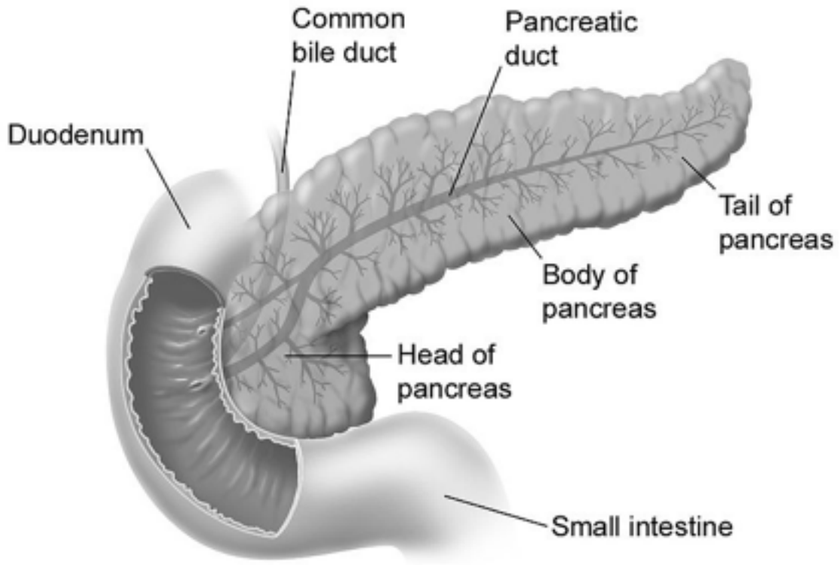

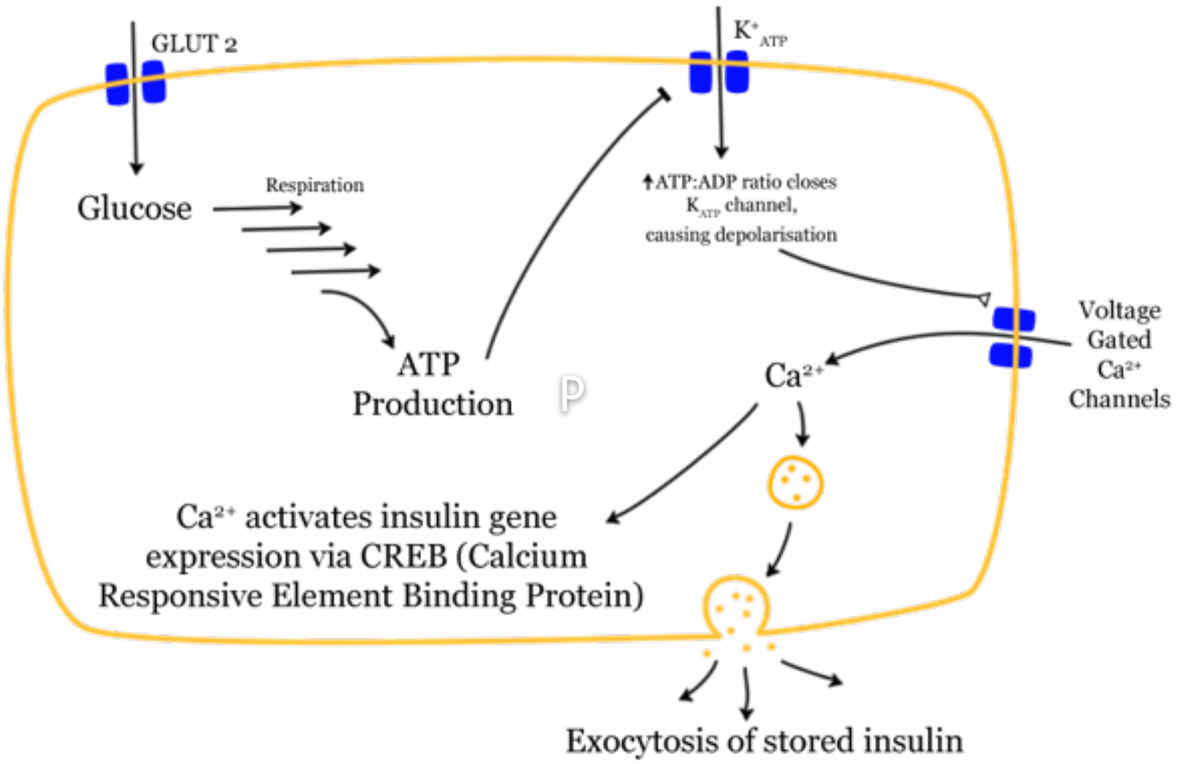

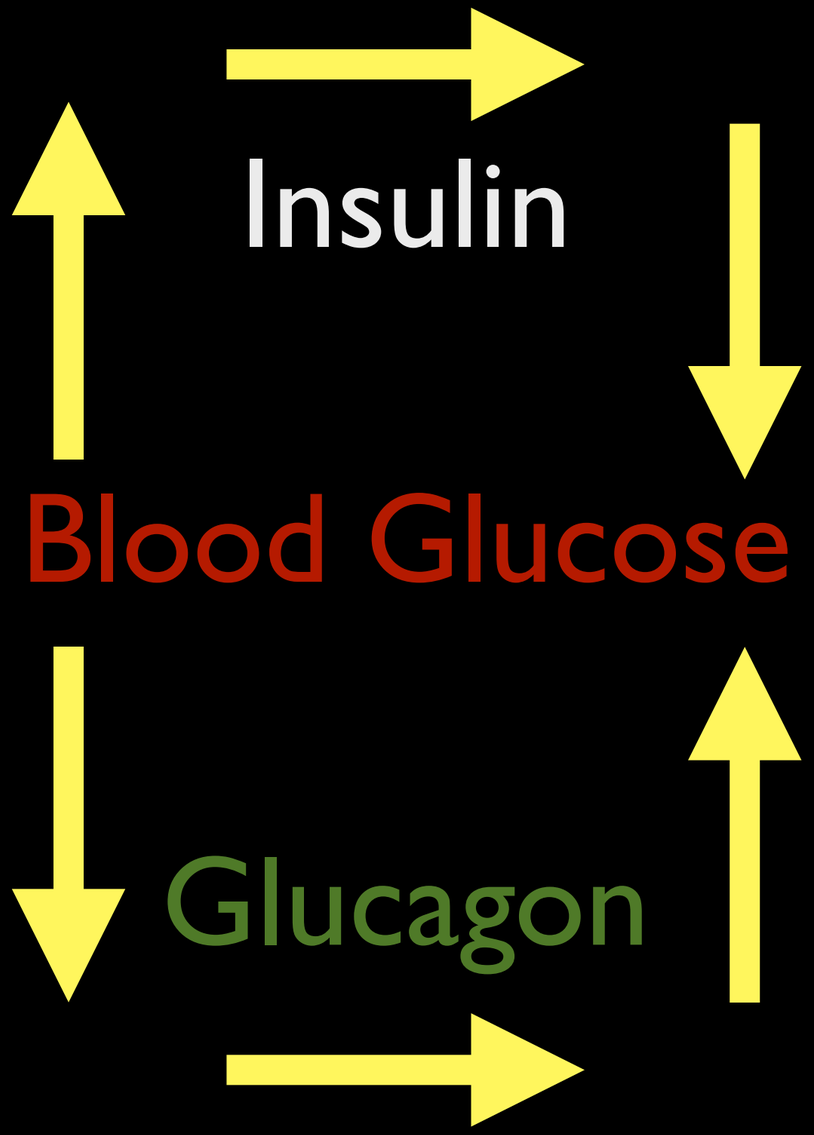

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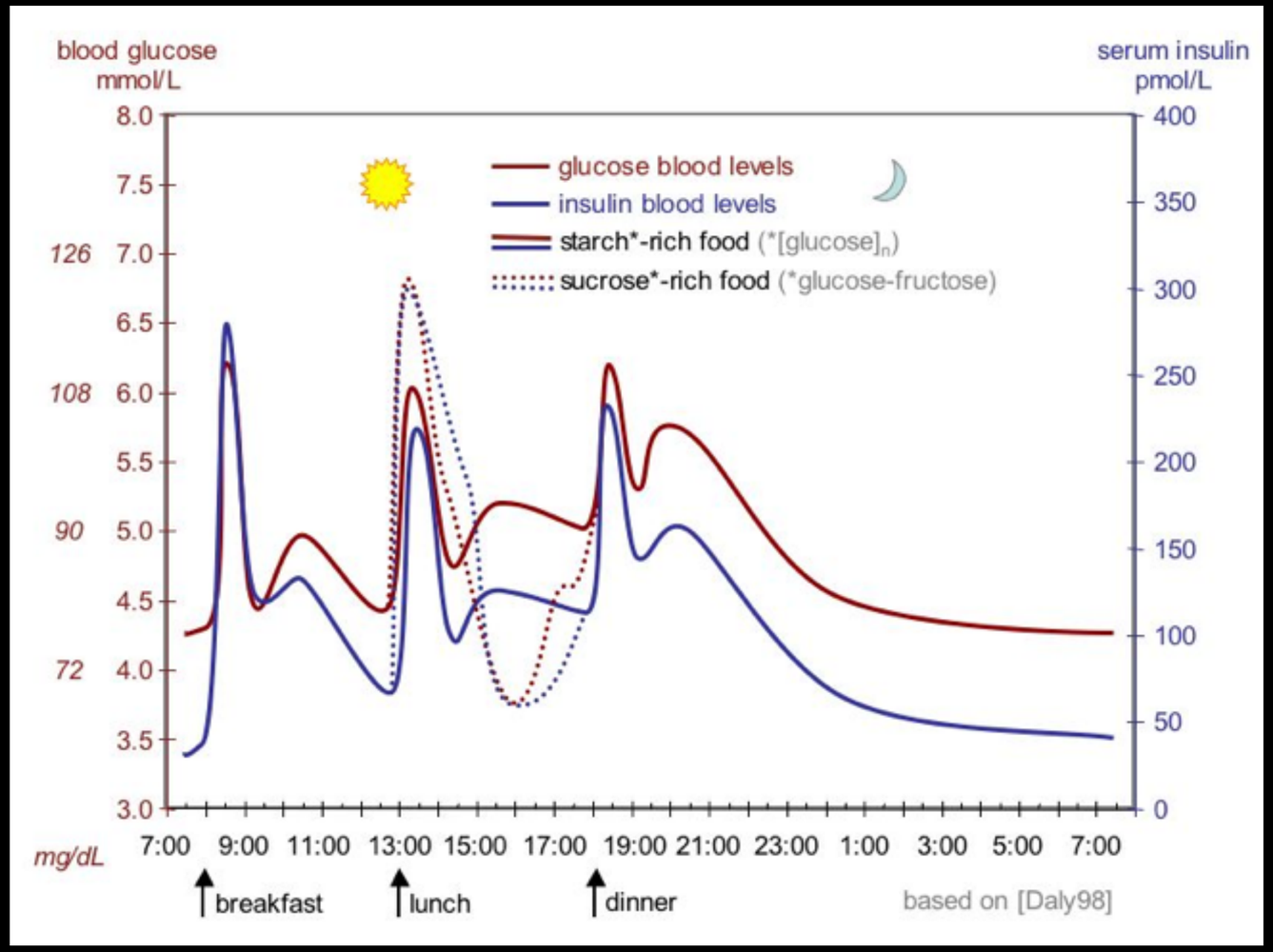

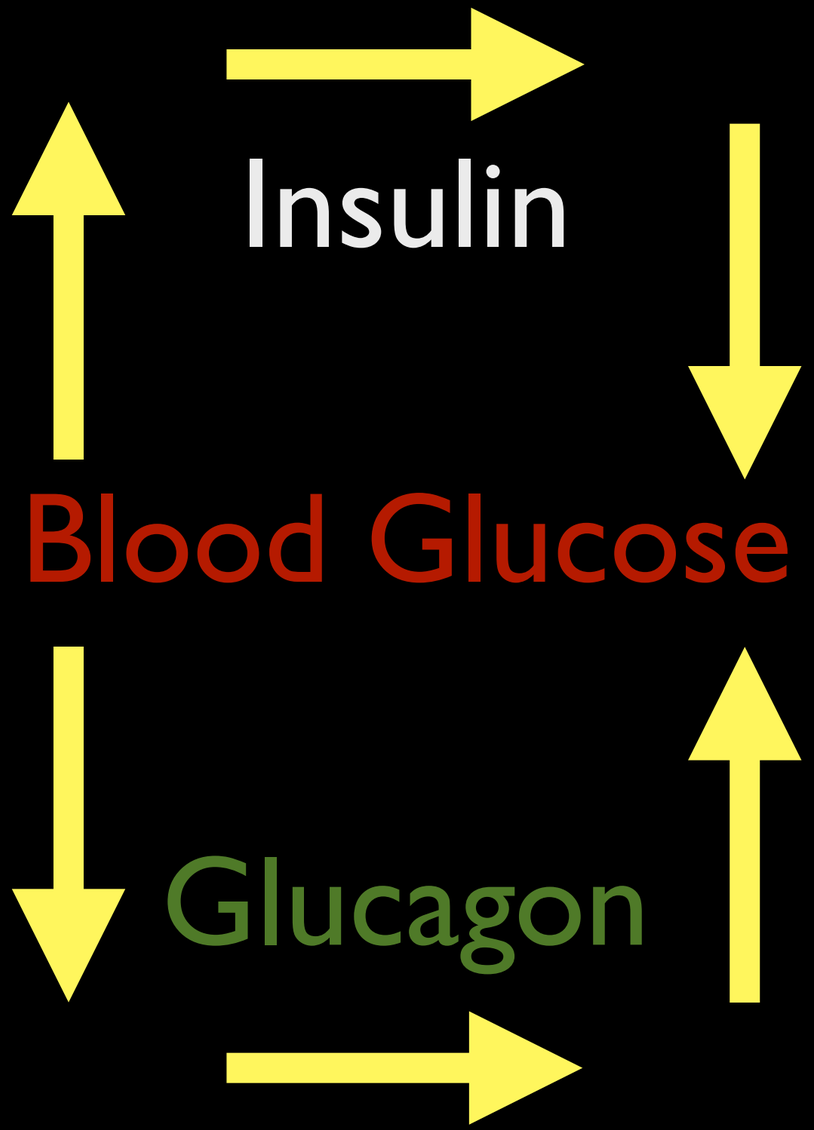

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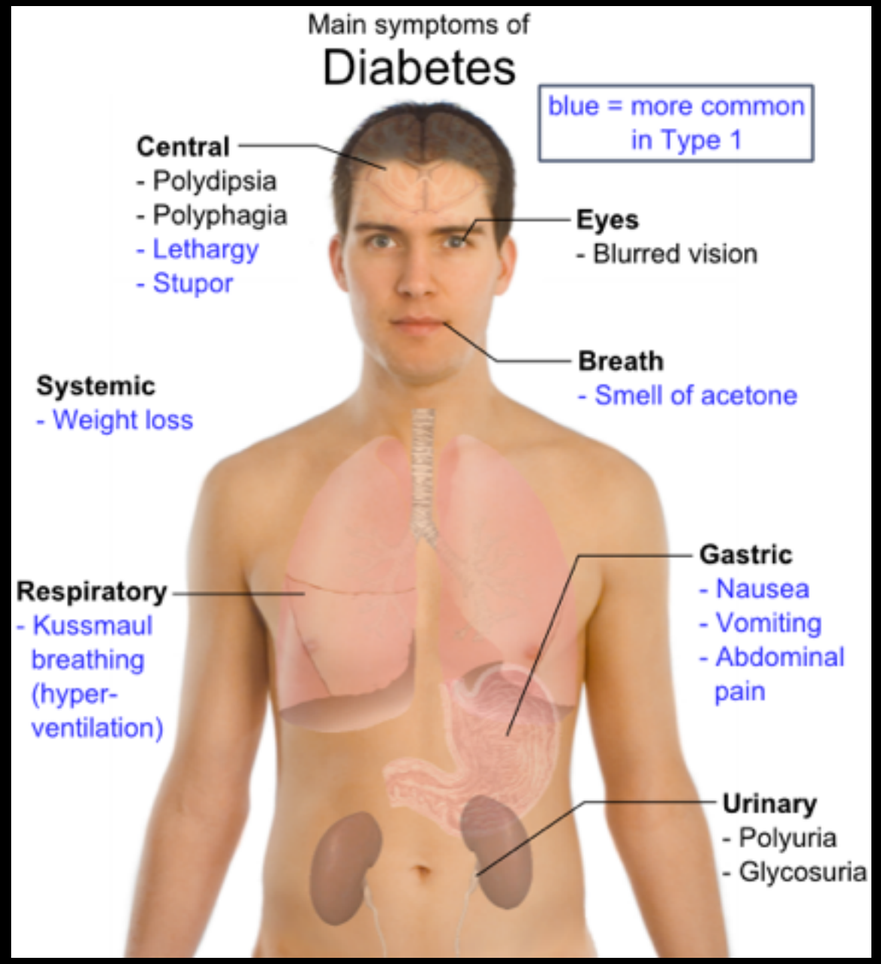
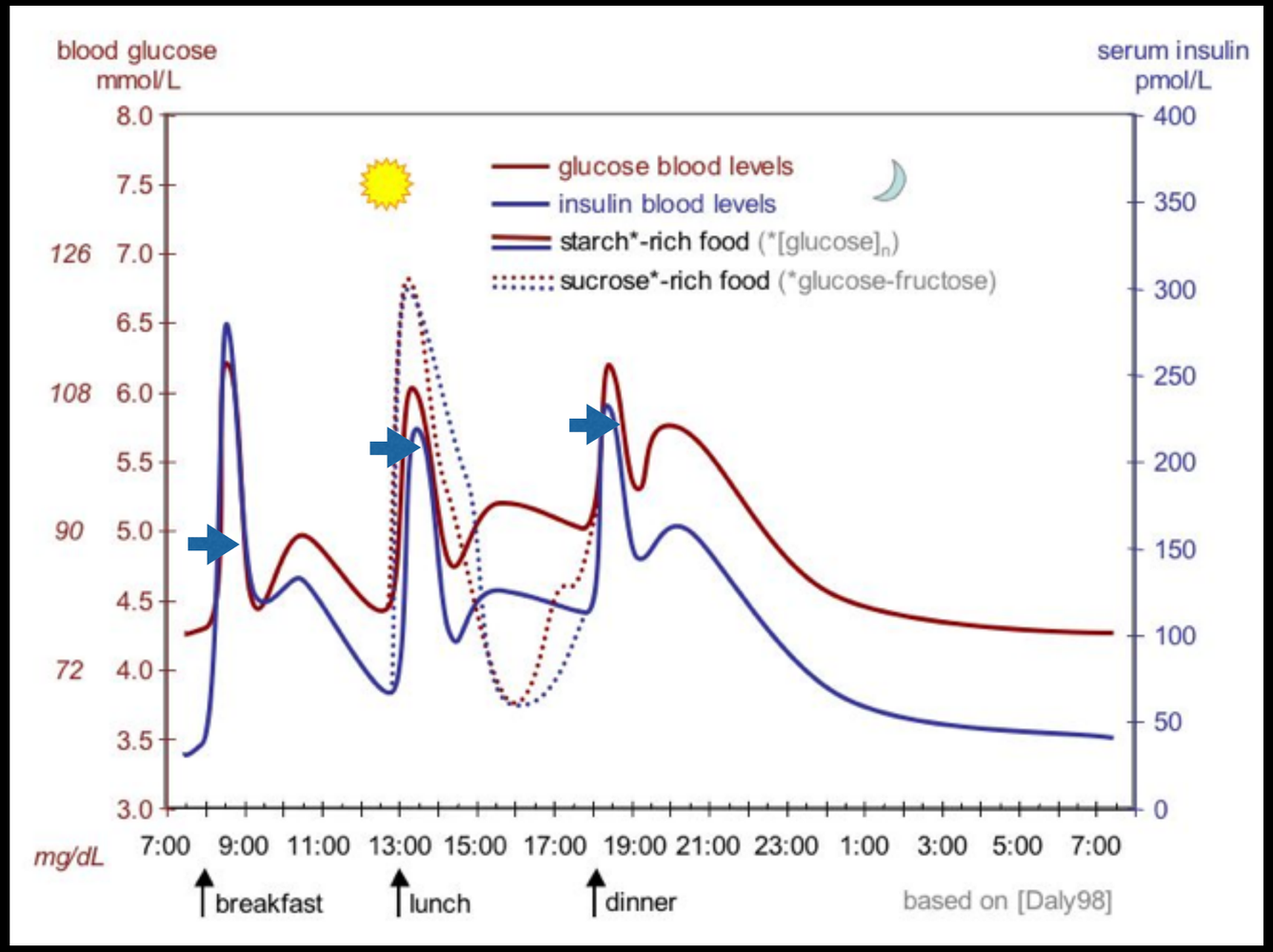
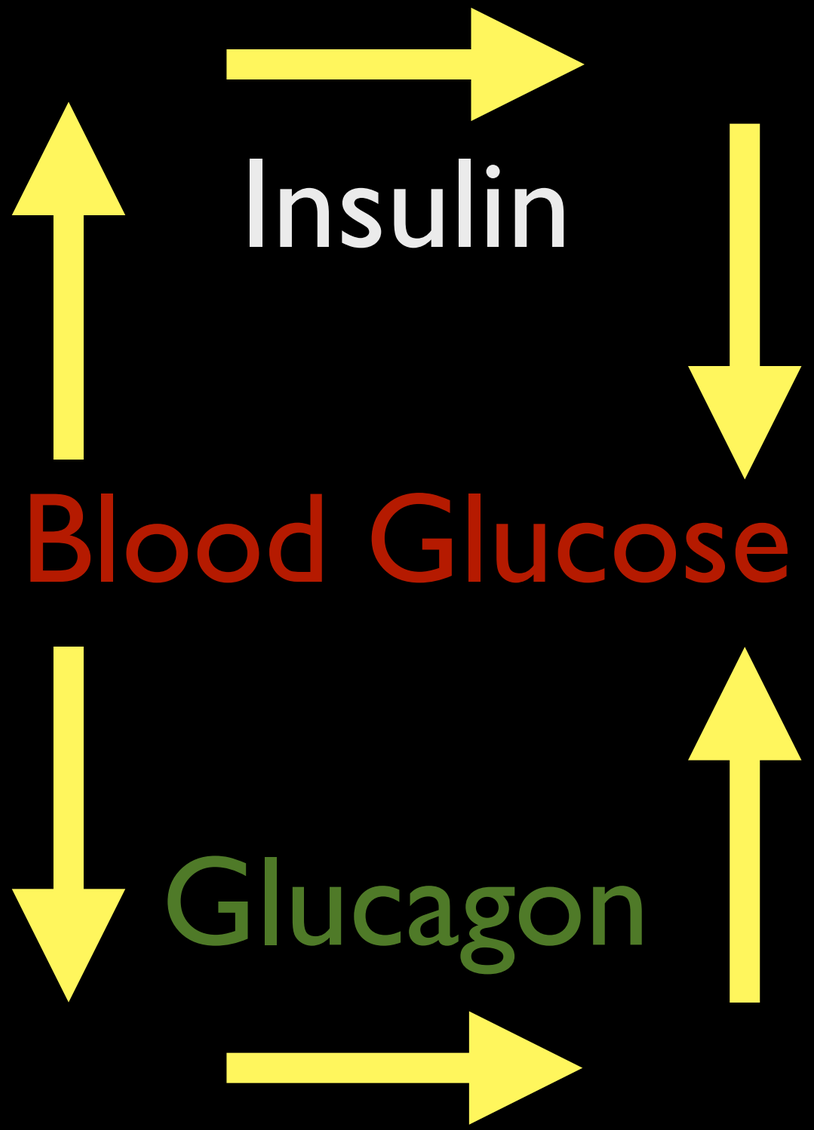
Alteration


Main symptoms of
Diabetes
blue = more common in Type 1
Central
- Polydipsia
- Polyphagia
- Lethargy
- Stupor
Eyes
- Blurred vision
Breath
- Smell of acetone
Systemic
- Weight loss
Respiratory
- Kussmaul breathing (hyper-ventilation)
Gastric
- Nausea
- Vomiting
- Abdominal pain
Urinary
- Polyuria
- Glycosuria





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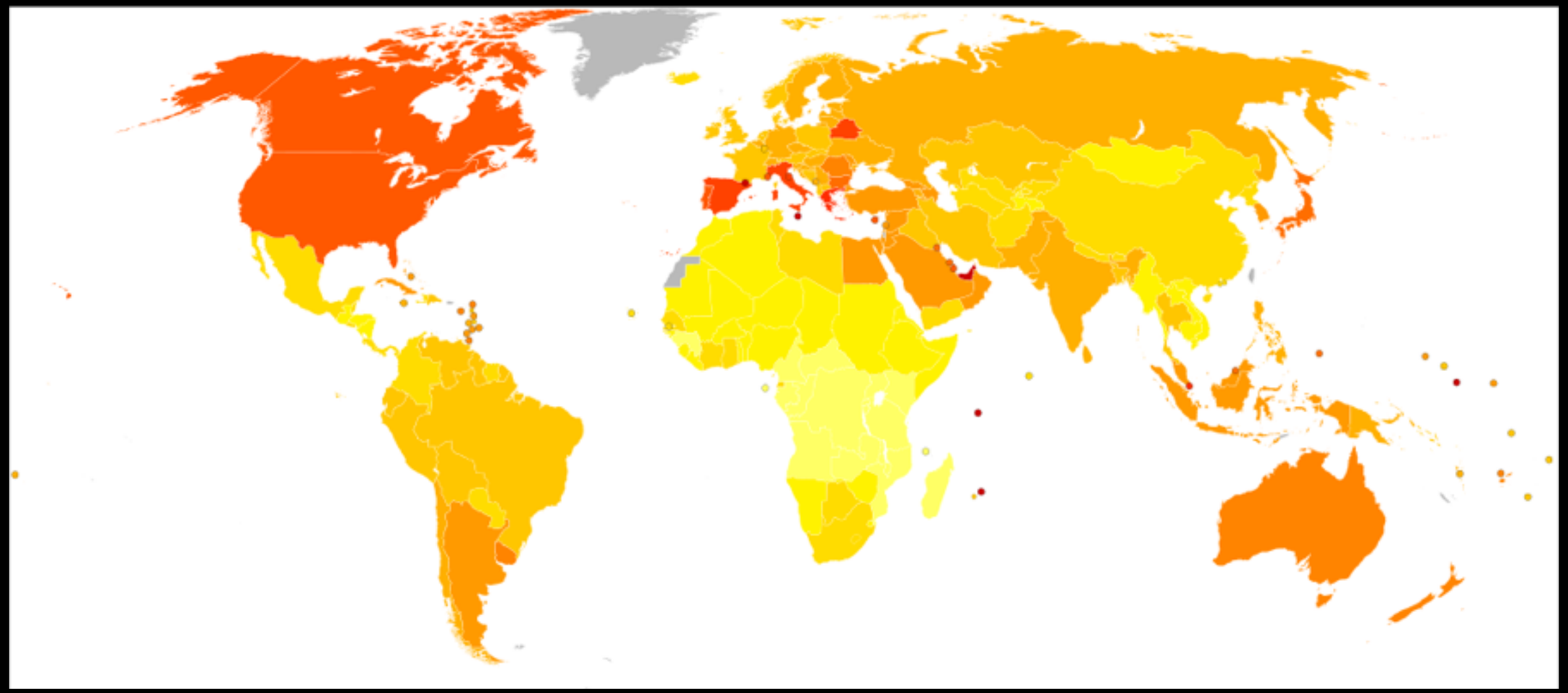
Incidence of Diabetes



Acknowledgements

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Boy, n.d. http://openclipart.org/detail/127915/boy-by-3dline.
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Carroll, Timothy J. *Signs On Columns*, March 5, 2007. http://www.flickr.com/photos/tjc/411967882/.
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