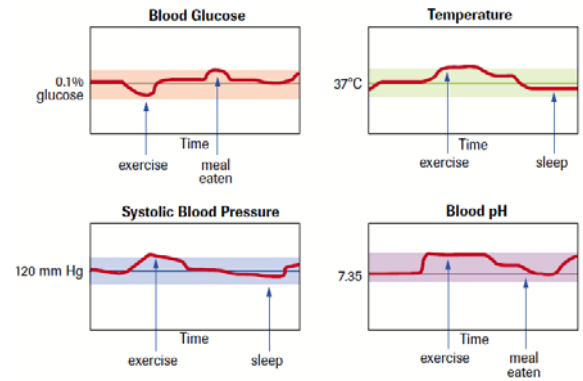


Homeostasis:

Main Internal Dynamic Equilibriums:

- Body temperature
- Water balance/ blood pressure
- Water/ion balance
- Blood glucose levels
- Blood oxygen/CO₂ levels (pH)

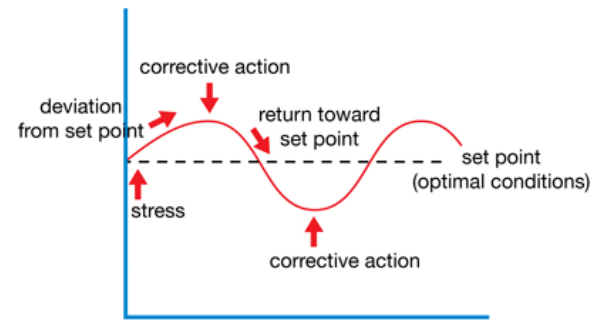
Common Examples of Homeostatic Balance Being Maintained



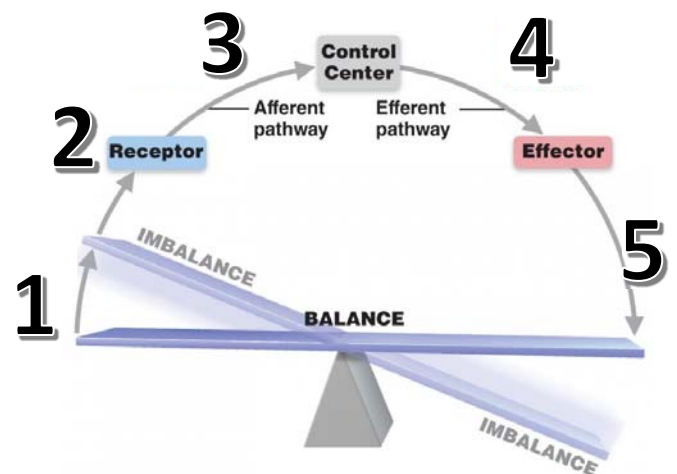
Feedback Loops

NEGATIVE

Regulation Through Negative Feedback

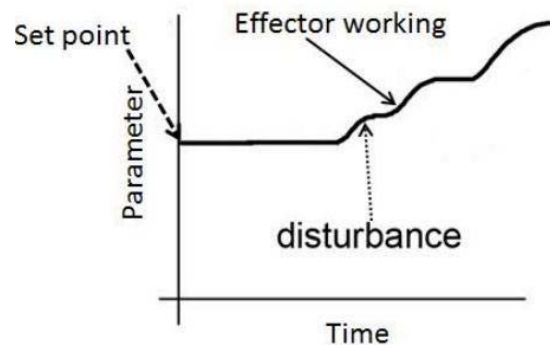


- 1.
- 2.
- 3.
- 4.
- 5.

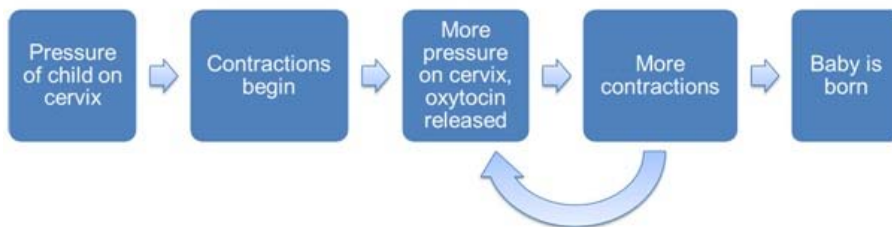


1-4.

5.



ex.

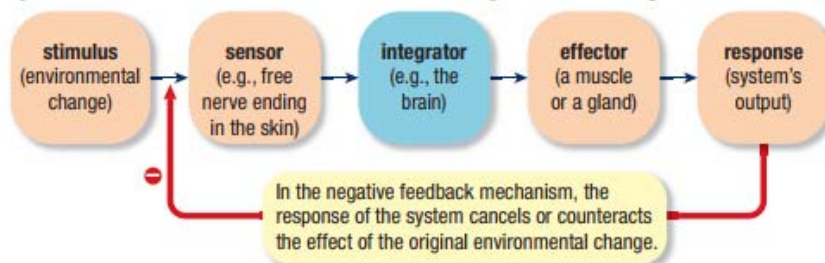


3 Functional Components:

1. Receptor/Sensor

2. Control Center/ Integrator:

3. Regulator/Effector:



Forms of Regulation:

- Voluntary:
- Involuntary:



Regulation Mechanisms

Osmotic	Hormonal	Nervous	Immune