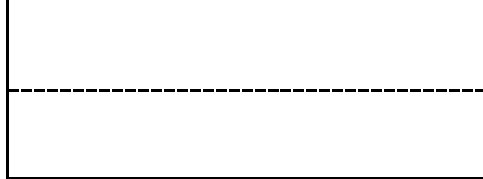


HOMEOSTASIS AND FEEDBACK WORKSHEET

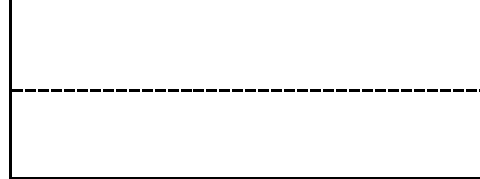
Refer to "Nelson Biology 12" text pp. 334-337

1. Sketch and label graphs showing homeostasis for the following conditions.

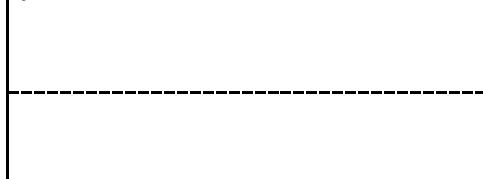
Blood Glucose



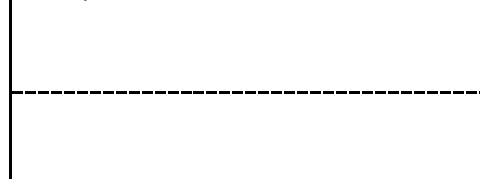
Temperature



Systolic Blood Pressure



Blood pH



What does the thick coloured line across each graph mean? _____

2. (A) Define positive feedback.

(B) Describe an example of positive feedback.

Extension Questions:

3. During lactation (milk production), the suckling by the baby stimulates the production of oxytocin, which in turn causes contraction of smooth muscle surrounding the milk duct, causing milk to flow. The flow of milk increases the suckling by the baby and more oxytocin is produced.

(A) Identify the feedback system described above.

(B) What would end the feedback loop?

4. Draw and label a flow chart of a feedback system for the release of oxytocin.