Using Inspiration to create concept maps which act as useful notes for Exam Revision

1. Key Ideas can be taken from outcome statement

**Outcome 1** On completion of this unit the student should be able to explain and analyse the relationship between ***environmental factors,*** and ***adaptations*** and ***distribution of living things***.

*Use the words in italic to begin your concept map.*

1. Key Knowledge can be used to break up these ideas.

The knowledge covered in Outcome 1;

• ***environmental factors:*** biotic and abiotic factors; availability of resources;

• ***structural adaptations***: relating major features of organisms to survival value;

• ***physiological adaptations***

***– tolerance range of organisms***; maintaining equilibrium by detecting and responding to changes in environmental condition

– ***nerve control*** in complex multicellular organisms: major sense organs and pathways of transmission of nerve impulses

***– hormonal control*** in complex multicellular organisms

– regulating water balance and controlling temperature;

- ***plant tropisms***: growth responses, rhythmic activities;

We have not done this yet so you may want to include the headings

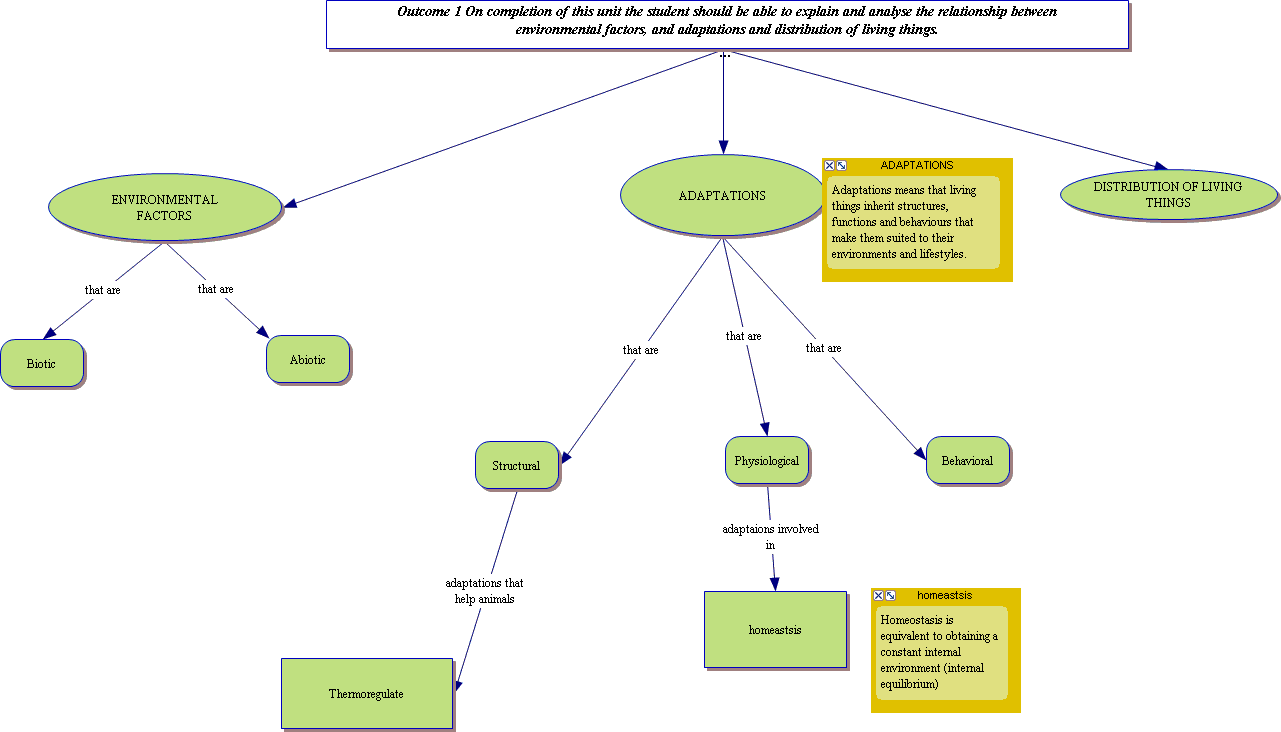
• ***behavioural adaptations***: individual and group behaviours of animals including rhythmic activities, feeding behaviours; communication; social and territorial behaviours;

*Use the words in italic to add to the concepts map. Use LINKS link.gif in Inspiration to make connection between words. You can add a phrase on the to join the words i.e. make a sentence. (See example below).*

1. **Define the key terms using NOTES**

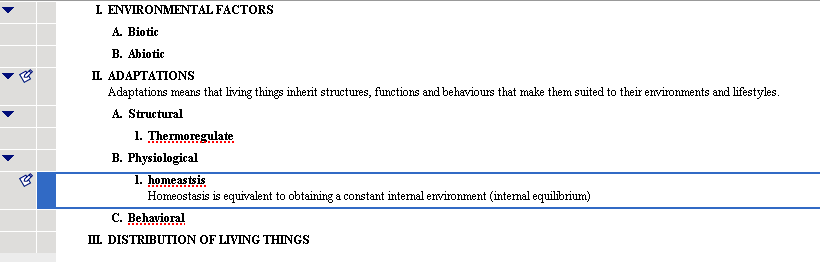
*Use Notes in Inspiration to define words.*

*Figure 1 - Below is an* ***example*** *of how to start:*



1. **If you link words logically you should get some clear notes when you click on OUTLINE in Inspiration.**

*Below is what the above notes look like. You can use the side toolbar to arrange the order of your notes.*



1. **Continue to add to the concept map.**

*Now continue to add to your concept map in a way that makes sense to you. Below is a list of other words(must include the words above) you must include but remember that you can add further to this using glossaries found in your text book.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tolerance range | Hormone | homeostasis | CNS | Action potential |
| Limiting factor | phototropism | Negative feedback | Peripheral nervous system | conduction |
| hydrophyte | Geotropism/gravitropism | Target cell | Reflex arch | synapse |
| halophyte | Apical dominance | receptor | interneuron | neurotransmitter |
| xerophyte | gibberelins | Endocrine gland | hypothalmus | Ectotherm |
| halophyte | cytokinin | Pituitary gland | Sense organs | Endotherm |
| pneumatophore | Abscisic acid | neuron | nerve | Water balance |
| Epicormic buds | ethylene | effector | myelin | osmosis |

1. **Finally make sure you include examples when defining terms**

Remember to include at least one example for key terms e.g. an example of a plant structural adaptation or one example to help explain homeostasis.