

AS Wee 12 Lecture Continued

~~Why do systems adapt?~~

An adapted system is a system which has been adapted by another system or processes to have desirable or beneficial characters
e.g. ecosystem

Self-adaptive system
e.g. human body, exercise

Self-adaptive = Adapt SELF = learn

Often systems will be born

Systems have adapted to be self-adaptive ^{Humans}

Not all changes are adaptation

evolution + learning = Adaptation

Adaptation

- Selected against = Bad mutations
- Selected for = good mutations

An adaptation is a characteristic of a system

which itself is the result of a process

Adaptations can be driven in many ways but often the change is prompted by changes in its environment