1.2 Power Notes

Biology has unifying themes.

Systems:
Related parts interact to form a whole.

/Examples:

Examples include molecules that function together; cells that work together to perform a function; different organs that work together; different organisms that interact in an ecosystem.

Structure and function: —

Function is related to, and dependent upon, structure.

Examples:

Examples include molecular structure and function; cell structure and function; anatomical structure and function.

Homeostasis:

Stable internal conditions are maintained through automatic responses and through behavior.

Examples:

Examples include temperature regulation; behavioral responses to external stimuli.

Evolution:

Gradual change in genetic makeup of a population of a species.

Examples:

Examples include adaptations in Different environments resulting in different species.