

Changing Environment

What is change?

Change occurs when the properties or characteristics of something is altered.

Change with respect to time and space (location)

Rate of change = $\frac{\text{change in field value}}{\text{change in time}}$ *see ESRT

e.g.: temperature changed from 30 ° C to 40 ° C in 3 minutes.
What is rate of change?

Rate of change = $\frac{40\text{ }^{\circ}\text{C} - 30\text{ }^{\circ}\text{C}}{3\text{ min}} = \frac{10\text{ }^{\circ}\text{C}}{3\text{ min}} = 3.3\text{ }^{\circ}\text{C/min}$

Cyclic Changes = orderly/predictable changes (movement of sun/moon/stars)

Prediction: type of inference about the future

Equilibrium = in balance (outside forces = inside forces)