POPULATIONS



•	Population – the number of individuals of the same in a given area at a given Populations of organisms can change at different times of the day because some animals are nocturnal (active at night) while others are diurnal (active during), at different times of the year (as a result of migration) and so on.
•	Factors affecting Populations 1. Available resources (e.g. food,) 2. Activities of other organisms (e.g. predators,) 3. Organism's own characteristics (e.g. gestation period, number of young produced, nurturing of young, migratory) 4. Time of day or year (e.g. tides, seasons, nocturnal or diurnal) 5. Weather (e.g)
•	<u>Population Change</u> – depends on birth, death, immigration and emigration on the whole
	Population Change = (B + I) – (D + E)
•	<u>Population Density</u> – The number of organisms in a given area can affect the population due to competition for resources such as and spread of disease.
	Population Density = the number of individuals area or volume occupied
	For example, if there are 2000 pine trees over an area of 10 square kilometres, the population density would be pine trees per square kilometre. However, bacterial population density estimates may be 2 thousand bacteria per millilitre of blood.
•	3 Population Sampling Techniques1. Quadrat2. Transect

3.

Mark-Recapture Method