

**AIM:**

“**Population dynamics**” refers to the changes in a population in response to environmental stress or changes in environmental conditions. This topic introduces the basic concepts can be applied to all organisms, including humans.

1. **population size** - number of individuals of a given species

2. **population density** -

**density INDEPENDENT controls / limiting factors**

factors that affect population regardless  
of its density

Examples:

**density DEPENDENT controls / limiting factors**

factors that have a greater effect as  
population increases

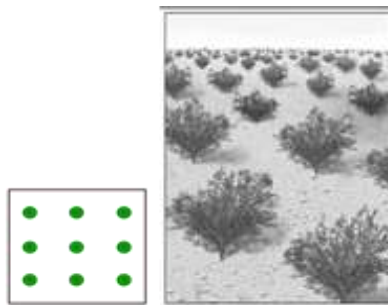
Examples:

3. **population dispersion** - spatial pattern of the members of a population

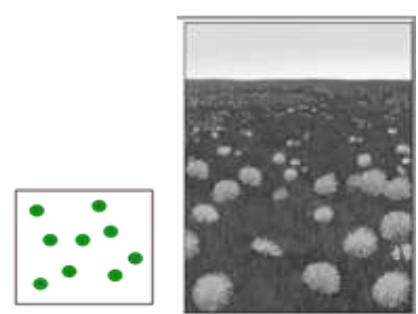
a. **clumped**



b. **uniform**



c. **random**



4. **age structure** - proportion of individuals in each age group  
(prereproductive, reproductive, postreproductive)