## Population Density and Dispersal Activity

	ulation Density = the number of individuals per unit area (land organisms) or volume (aquatic
	organisms).  Low density populations: few individuals per unit area or volume; spaced well apart (Ex: tigers)  High density populations: individuals are crowded together; many individuals per unit area or volume. (Ex: insects, coral)
Por	ulation Density in our Classroom
1. Re Co	cord the classroom dimensions. Length =m. Width =m.  calculate the classroom area. Area (length x width) =square meters  count classroom population =people  calculate how much space each person hassquare meters  Hint: space = area (length x width) divided by (# of people)  redict: How much space would each person have if the number of people in the class doubled?  redict: wow work
3. C	
	Hint: population density = (# of people) divided by area (length $x$ #turn)
4. D	oes the classroom represent a low density population or a high density population? Explain.
5. W	hy would a school engineer want to know about the population density?
	increases the probability of finding another close by (herds and social species)  Uniform Dispersion: individuals are evenly spaced in an area; presence of one individual
Lo	Uniform Dispersion: individuals are evenly spaced in an area; presence of one individual decreases the probability of finding another individual close by (penguins and creosote bushes) abel the dispersion pattern and draw dots in the box to represent the pattern. Provide a brief escription of what each dispersion pattern tells us about the population and its interactions.
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