**Bio EOC practice quiz 9**

1. **In the pedigree below, how is this trait inherited?**
	1. **Autosomal recessive**
	2. **Autosomal dominant**
	3. **Sex-linked recessive**
	4. **Sex-linked dominant**

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1. **Which statement best explains what is happening at point A?**
	1. **Population growth decreases as individual crabs get older**
	2. **The population is stabilizing as it approaches carrying capacity**
	3. **Destruction of habitat is causing a decline in the population of the crabs**
	4. **The introduction of a new predator is causing a decline in population growth of the crabs**

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1. **The four species illustrated most likely have similar limb structures because they all**
	1. **Share a common ancestor**
	2. **Use their limbs for the same functions**
	3. **Occupy the same level in a food pyramid**
	4. **Adapted to the same environmental conditions**

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1. **In the karyotype above, which set of chromosomes represents a mutation?**
	1. **2**
	2. **11**
	3. **16**
	4. **23**
2. **In the karyotype above, which process went wrong?**
	1. **Cell growth c. respiration**
	2. **Cell division d. photosynthesis**
3. **The diagram showing the evolution of eight bird species is shown below. The differences in the species are most likely a result of**
	1. **The length of mating season**
	2. **The population size**
	3. **Color of feathers**
	4. **Available food sources**



1. **A flock of one species of bird arrives on a group of sparsely populated islands. With little or no competition, different species of birds evolved from the original species. Each species is adapted to a different available niche. This is an example of**
	1. **Divergent evolution**
	2. **Convergent evolution**
	3. **Dynamic equilibrium**
	4. **Graduated equilibrium**