

Round: 10A

- 1. What is the definition of environmental resistance? (2 pts)
- 2. What is the definition of carrying capacity? (2 pts)
- 3. What is the definition of biotic potential? (2 pts)

The mathematical formula for exponential growth is $dN/dt = rN$.

The equation for population growth is $(dN/dt=rN(1-N/K))$.

- 4. What do the symbols in these equations represent? (4 pts)

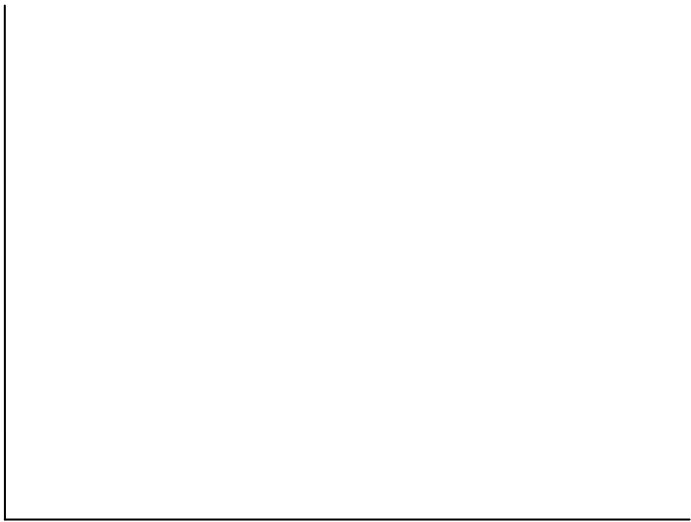
N=

K=

t=

r=

- 5. Draw and label a graph that showcases exponential growth, carrying capacity, environmental resistance and biotic potential. Also label your drawn curves. (8 pts)



- 6. If $N > K$, what would be the growth rate for this population? (2 pts)