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)