COMPARISON TABLE

② OVERALL CONCEPT

Population Growth

① CONCEPT	① CONCEPT
Exponential Growth	Logistic Growth
③ CHARACTERISTICS	③ CHARACTERISTICS
affected by births, deaths, emigration and immigration individuals in a population reproduce at a constant rate growth starts out slow then increases in rate under ideal conditions, growth never stops curve shaped like a "J"	affected by births, deaths, emigration and immigrationpopulation grows exponentially then growth levels off growth starts slow, increases then rate eventually decreases carrying capacity puts a limit on growth curve shaped like an "S"

⑨ EXTENSIONS

Explore why the human population is experienceing exponential growth despite limiting factors in the environment.

④ LIKE CHARACTERISTICS

affected by births, deaths, emigration and immigration
at beginning, individuals are reproducing at constant rate
growth rate is slow then increases

⑤ LIKE CATEGORIES

factors that affect it
initial reproduction and growth rate

⑥ UNLIKE CHARACTERISTICS

continues to increase under indeal conditions, growth never stops curve shaped like a "J"	rate eventually decreases carrying capacity puts a limit on growth curve shaped like an "S"

⑦ UNLIKE CATEGORIES

final growth rate
presence or absence of an upper limit
shape of curve

⑧ SUMMARY

Exponential and Logistic are both types of population growth that are alike in the factors that affect growth, initial reproduction rates and growth rates but differ in final growth rates, the presence of absence of an upper limit and the shape of the curve.

Step 1: **C**ommunicate targeted concepts | Step 2: **O**btain Overall Concept | Step 3: **M**ake lists of known characteristics | Step 4: **P**in down Like Characteristics | Step 5: **A**ssemble Like Categories | Step 6: **R**ecord Unlike Characteristics | Step 7: **I**dentify Unlike Categories | Step 8: **N**ail down a summary | Step 9: **G**o beyond the basics