WHAT SETS THE TIMESCALE OF CELL DIVISION? phosphate transport ≈6000 sec peptidoglycan peptidoglycan sulfate ≈300 channels transport maturation precursor carbon transport ≈1000 channels synthesis ATP synthesis ≈5000 channels **---**----≈3000 synthases lipid synthesis ≈5000 dehydratases tRNA charging ≈1000 ligases proton transport ≈2500 electron transport **RNA** synthesis dNTP synthesis **DNA** replication chains translation ≈5000 polymerases ≈50 polymerases ≈300 reductases ≈10,000 ribosomes