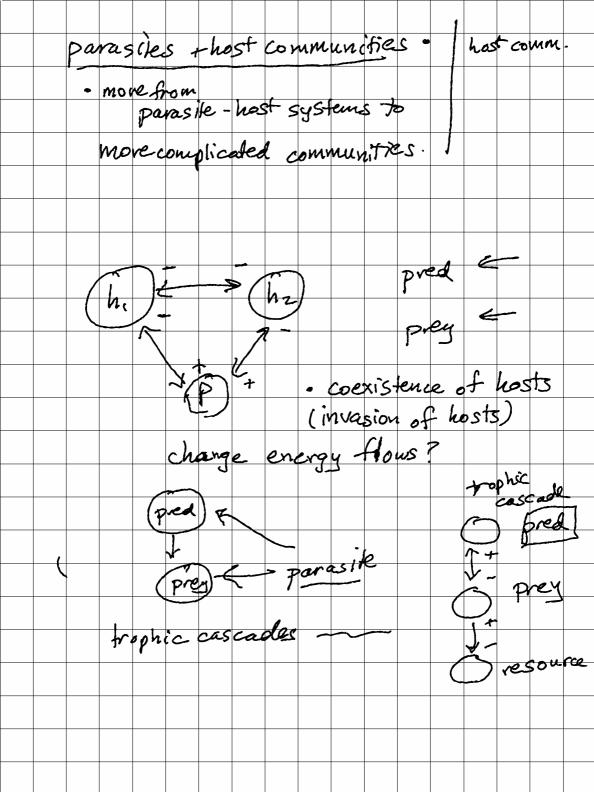
parasile driven nost population cycles. mechans acute, pathogen. with vital dynamics for humans: we don't usually think of the overall population size S+I+R=N changing total sopulation WILDLIFE populations: + 70 · LOTKA - VOLTERRA pred-prey equation Population cycles nost 1. Pathogen Scals and shocine distemper virus MORBILLIVIRUSES: measles, rinderpest) canine distemper phocine = seals

die-affs 1758, 1813, 1836, 1869-70, 1930s...

Redgrouse. (Trichostrongylus tenuis) herbivorous. heather.
northern regions,
northern poor, low quality. Scotland, Northern England. MANAGED populations lynx-hare hunted v game books (records)

since the mid-19th c. 6-7 year cycles. eggs -> free living -> grouse larvae intestives. high worm burdens lower lecundity locate most of the grouse Experiment. give them antihelminthic drags 6 moors, 3 control, 3 treatment classic experiment to prove that shut off A, show that B stops happening.



DIRECT and INDIRECT Interactions. filmess j effects on growth rack/ effects on pop 517e. density-mediated and trait-mediated interactions behavioural changes phenotypic plasticity