



SPECIFIC METABOLIC RATE

$P_{spe} \propto M^{-0.25}$

small animals metabolise **RELATIVELY** quicker than do large animals

one moose is metabolically equivalent to (only) 40 kg mice

IMPLICATIONS

Turnover Time

time period required for an organism to process energy equivalent to the energy content within its body

$2.2 \cdot 10^7 \text{ J kg}^{-1}$ (dry) or $7.0 \cdot 10^6 \text{ J kg}^{-1}$ (wet)

moose 91 days, mouse 7 days

slow, lumbering	gait	fast, hectic
large	steps	small
large	territory	small
long	gestation	short
long	lifespan	short


