


(A)


## THE MAGNITUDE OF LIVESTOCK POPULATION

## chicken number



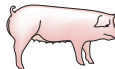
$$\approx \frac{2 \cdot 10^{10} \text{ chickens}}{7 \cdot 10^9 \text{ people}} \approx 2$$

## cattle number




$$\approx \frac{1.5 \cdot 10^9 \text{ cattle}}{7 \cdot 10^9 \text{ people}} \approx 0.2$$

## swine number



$$\approx \frac{1 \cdot 10^9 \text{ pigs}}{7 \cdot 10^9 \text{ people}} \approx 0.1$$

## barnyard number

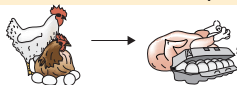


$$\approx \frac{3 \cdot 10^{10} \text{ animals}}{7 \cdot 10^9 \text{ people}} \approx 4$$

(B)

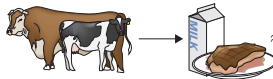
## THE MAGNITUDE OF ANNUAL LIVESTOCK PROCESSING

## poultry-egg number



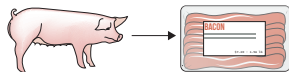
$$\approx \frac{7 \cdot 10^{10} \text{ chickens} \cdot \text{year}^{-1}}{7 \cdot 10^9 \text{ people}} \approx \frac{10 \text{ chickens} \cdot \text{year}^{-1}}{1 \text{ person}}$$

## dairy-beef number




$$\approx \frac{6 \cdot 10^8 \text{ cattle} \cdot \text{year}^{-1}}{7 \cdot 10^9 \text{ people}} \approx \frac{1 \text{ cow} \cdot \text{year}^{-1}}{10 \text{ people}}$$

## pork number



$$\approx \frac{2 \cdot 10^9 \text{ pigs} \cdot \text{year}^{-1}}{7 \cdot 10^9 \text{ people}} \approx \frac{1 \text{ pig} \cdot \text{year}^{-1}}{3 \text{ people}}$$

## barn-to-table number



$$\approx \frac{1 \cdot 10^{11} \text{ animals} \cdot \text{year}^{-1}}{7 \cdot 10^9 \text{ people}} \approx \frac{15 \text{ animals} \cdot \text{year}^{-1}}{1 \text{ person}}$$