



#### #4

Hoeveel is de massa (in gram) van:

A 1,00 mol HCl

.....

B 0,500 mol H<sub>2</sub>SO<sub>4</sub>

.....

C 0,250 mol H<sub>3</sub>PO<sub>4</sub>

.....

D 1,12 mol P<sub>2</sub>O<sub>5</sub>

.....

E 0,790 mol H<sub>2</sub>O

.....

#### Oplossing

A 1,00 mol HCl

$$1,00 \text{ mol} \times 36,5 \text{ g/mol} = 36,5 \text{ g}$$

B 0,500 mol H<sub>2</sub>SO<sub>4</sub>

$$0,500 \text{ mol} \times 98,1 \text{ g/mol} = 49,1 \text{ g}$$

C 0,250 mol H<sub>3</sub>PO<sub>4</sub>

$$0,250 \text{ mol} \times 98,0 \text{ g/mol} = 24,5 \text{ g}$$

D 1,12 mol P<sub>2</sub>O<sub>5</sub>

$$1,12 \text{ mol} \times 142,0 \text{ g/mol} = 159 \text{ g}$$

E 0,790 mol H<sub>2</sub>O

$$0,790 \text{ mol} \times 18,0 \text{ g/mol} = 14,2 \text{ g}$$