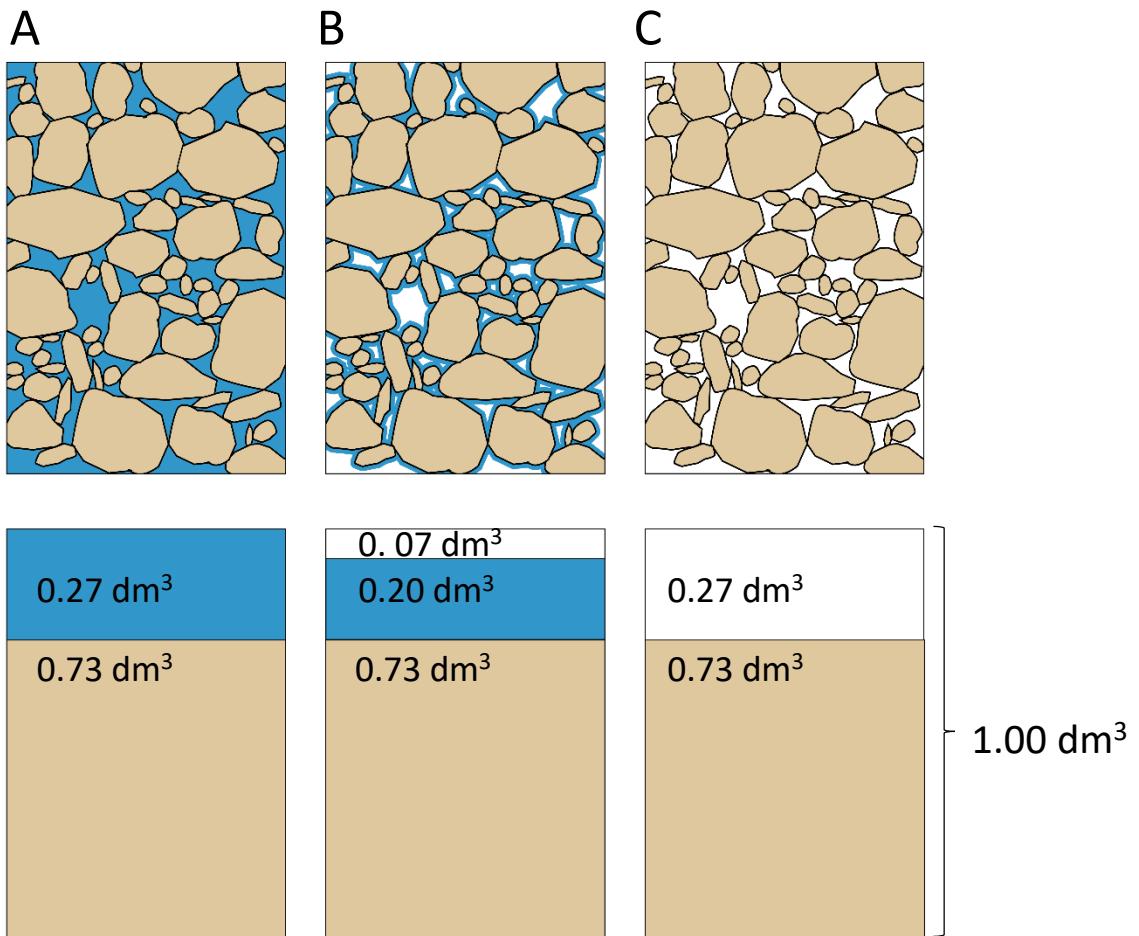


Calculate the missing volumes and add them to the empty boxes

	A, water saturated	B	C, dry
Gas V_g			
Liquid (water) V_l		0.20 dm^3	
Soilds V_s	0.73 dm^3	0.73 dm^3	0.73 dm^3
Total volume, V_T	1.00 dm^3	1.00 dm^3	1.00 dm^3
Pore volume, V_v			
Porosity			

- Total volume, $V_T = V_s + V_l + V_g$
- Volume solid particles (V_s)
- Volume liquid (V_l)
- Volume air (V_g)
- Pore volume, $V_v = V_l + V_g$
- Porosity, $n = (V_l + V_g) / V_T$

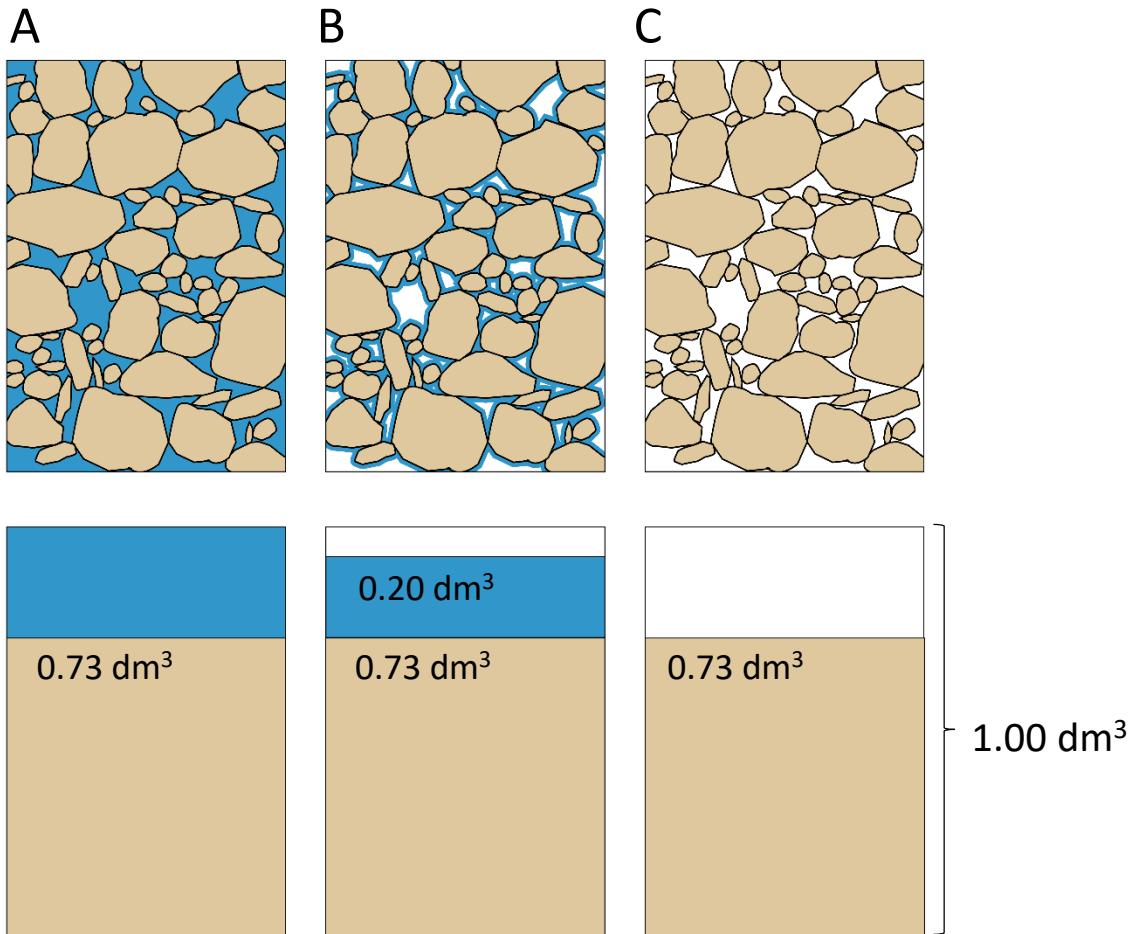


Calculate the weights and add them to the empty boxes

	A, water saturated	B	C, dry
Gas (air) W_g			
Liquid (water) W_l			
Solids (quartz) W_s			
Total weight, W_T			

$$\text{Weight (W, kg)} = \text{Density} (\rho, \text{kg/dm}^3) * \text{Volume (V, dm}^3)$$

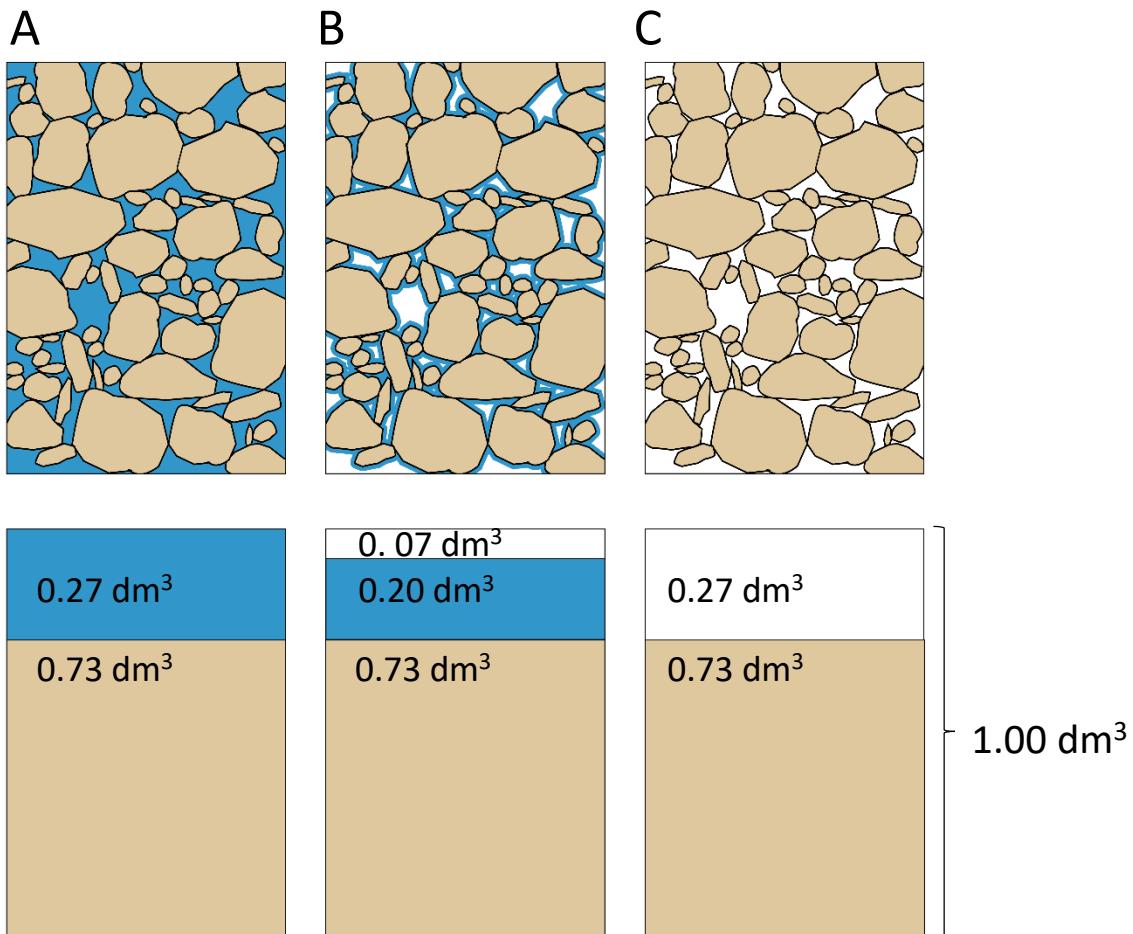
- Density of quartz: 2.65 kg/dm^3
- Density of water: 1.00 kg/dm^3
- Density of air: $0.001 \text{ kg/dm}^3 \approx 0 \text{ kg/dm}^3$



Calculate the missing volumes and add them to the empty boxes

	A, water saturated	B	C, dry
Gas V_g	0 dm ³	0.07 dm ³	0 dm ³
Liquid (water) V_l	0.27 dm ³	0.20 dm ³	0.27 dm ³
Solids V_s	0.73 dm ³	0.73 dm ³	0.73 dm ³
Total volume, V_T	1.00 dm ³	1.00 dm ³	1.00 dm ³
Pore volume, V_v	0.27 dm ³	0.27 dm ³	0.27 dm ³
Porosity	0.27	0.27	0.27

- Total volume, $V_T = V_s + V_l + V_g$
- Volume solid particles (V_s)
- Volume liquid (V_l)
- Volume air (V_g)
- Pore volume, $V_v = V_l + V_g$
- Porosity, $n = (V_l + V_g) / V_T$



Calculate the weights and add them to the empty boxes

	A, water saturated	B	C, dry
Gas (air) W_g	0 kg	0 kg	0 kg
Liquid (water) W_l	0.27 kg	0.20 kg	0 kg
Solids (quartz) W_s	1.93 kg	1.93 kg	1.93 kg
Total weight, W_T	2.20 kg	2.13 kg	1.93 kg

$$\text{Weight } (W, \text{kg}) = \text{Density } (\rho, \text{kg/dm}^3) * \text{Volume } (V, \text{dm}^3)$$

- Density of quartz: 2.65 kg/dm³
- Density of water: 1.00 kg/dm³
- Density of air: 0.001 kg/dm³ \approx 0 kg/dm³