

Exercice 1 : Donnez la taille des microorganismes suivants :

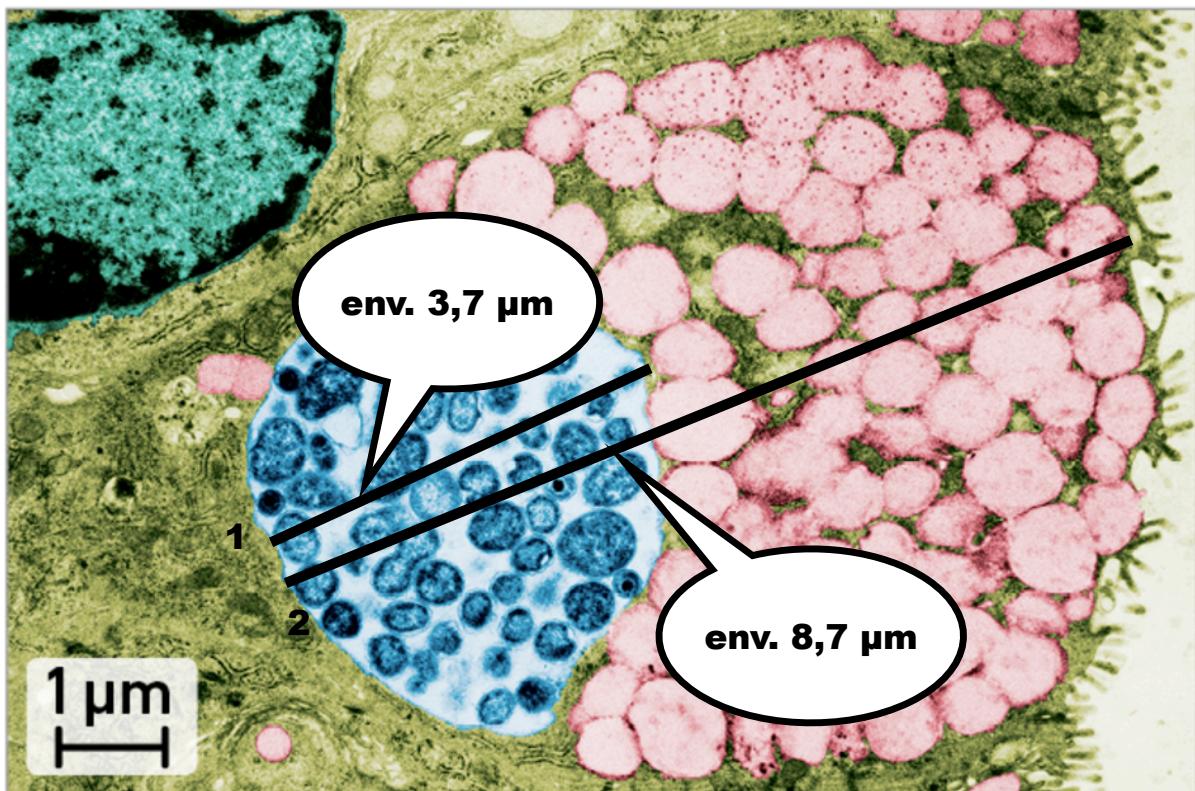


Figure 1

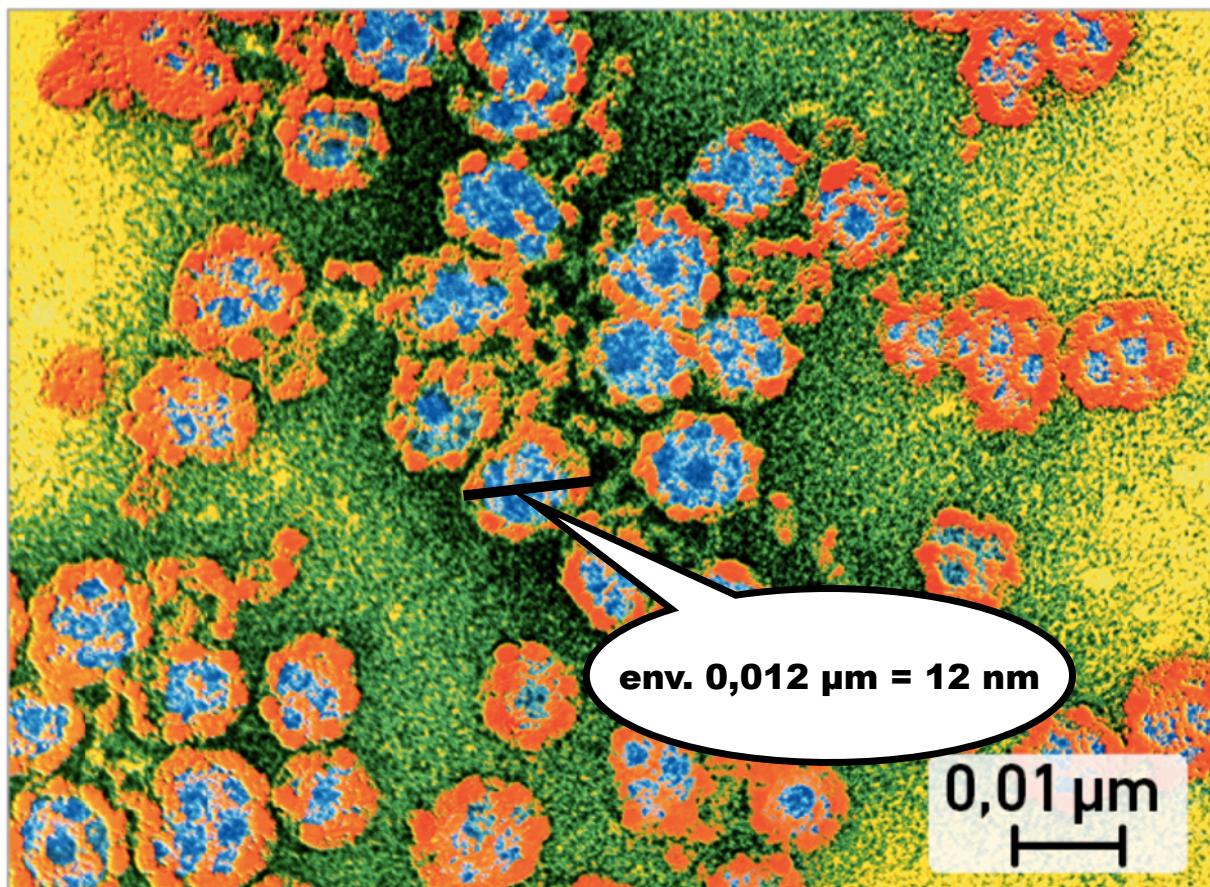


Figure 2

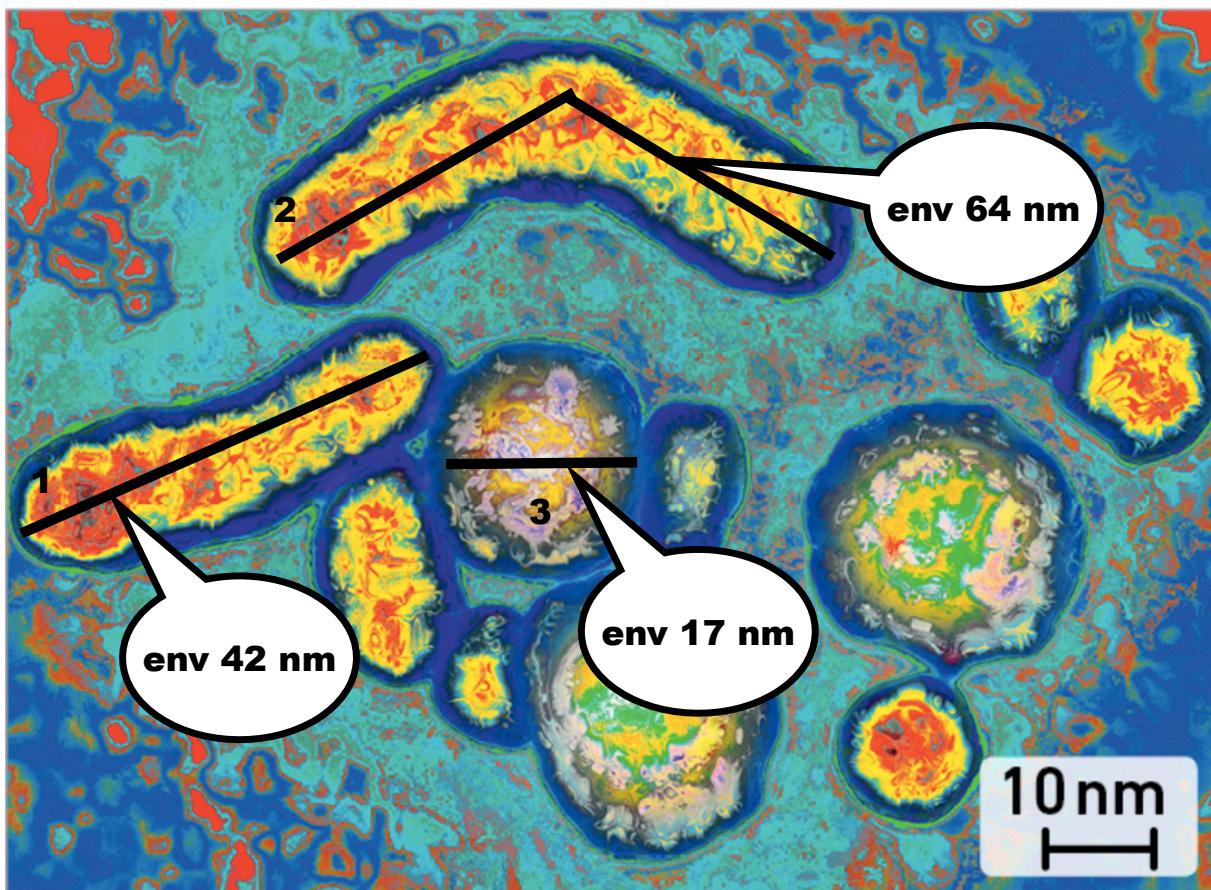


Figure 3

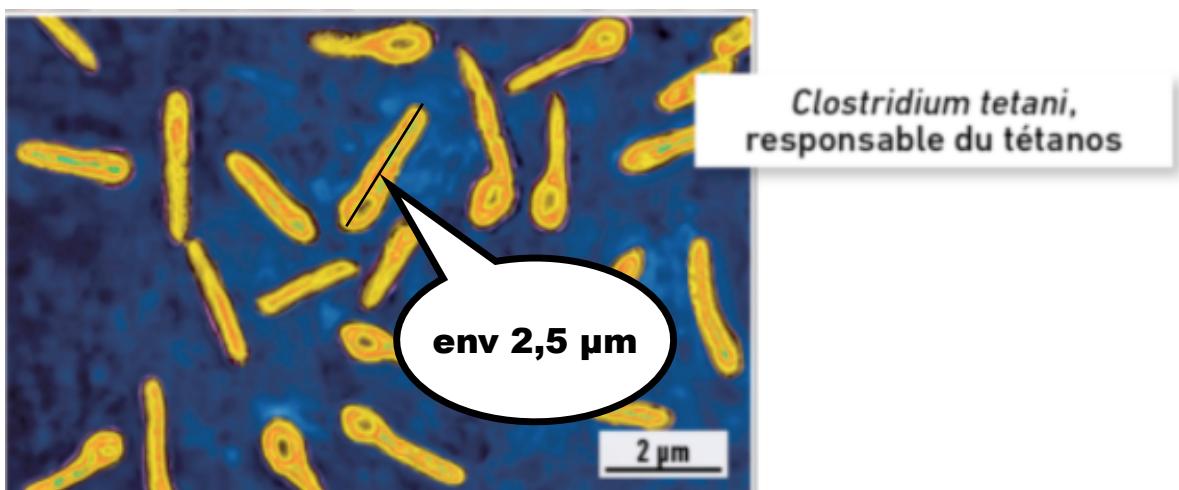


Figure 4

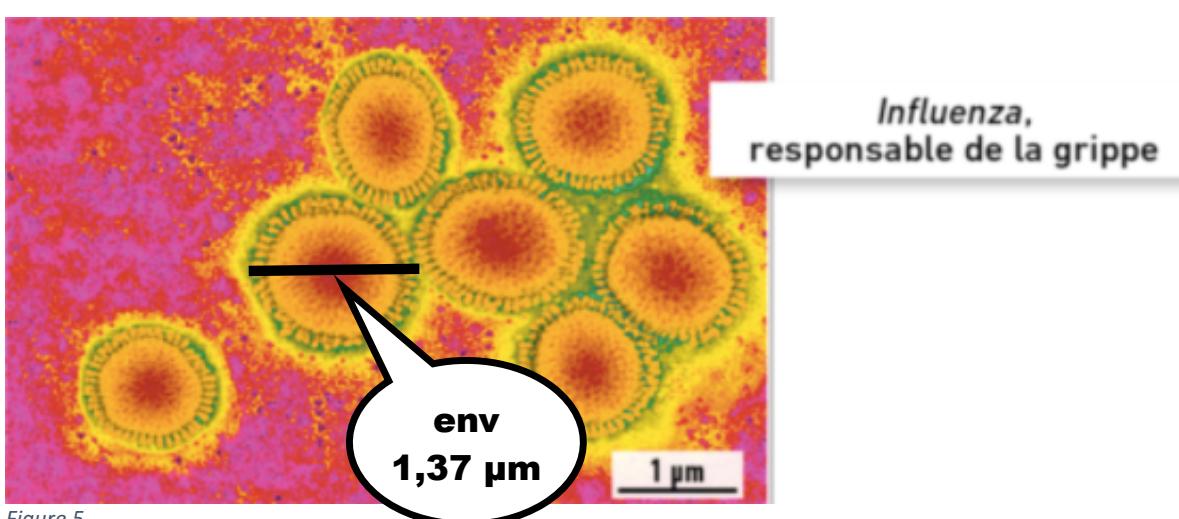


Figure 5

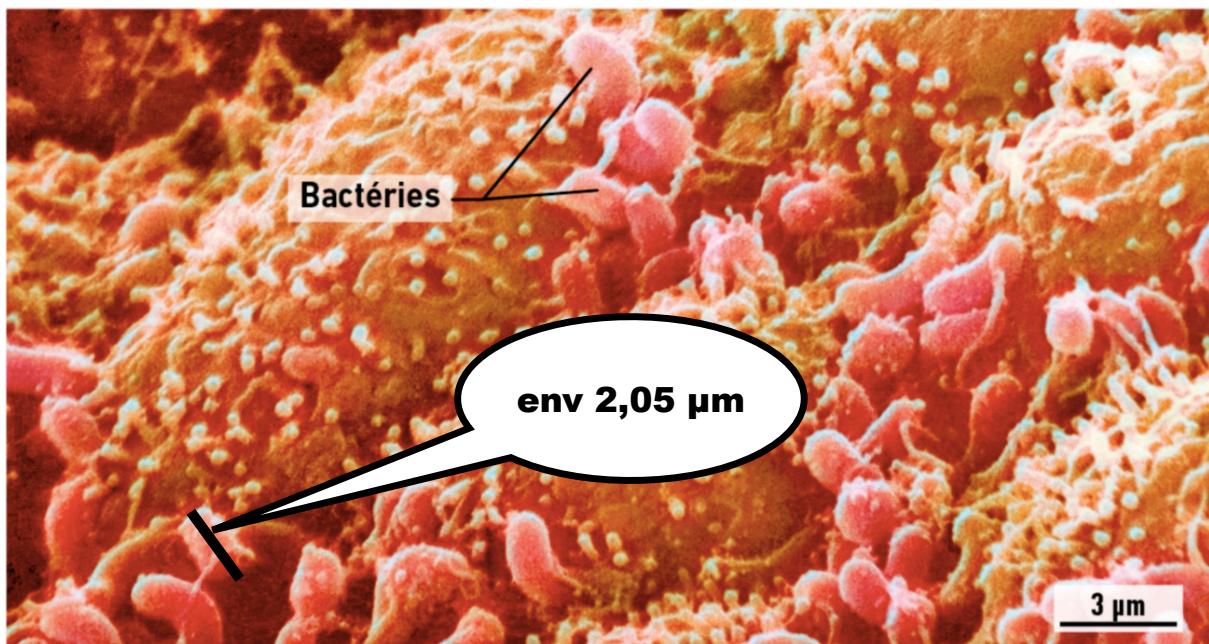


Figure 6

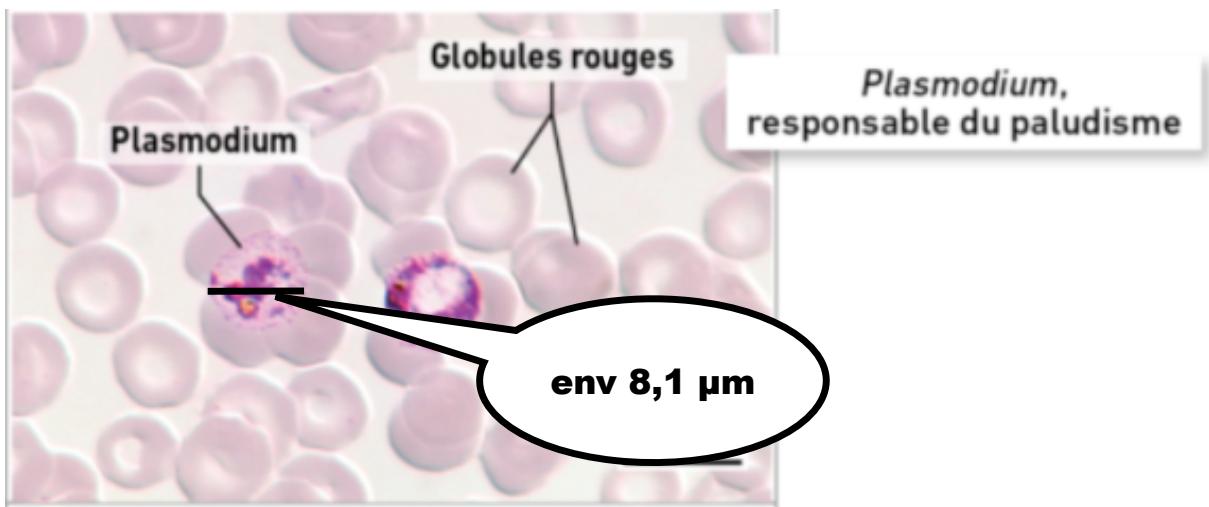
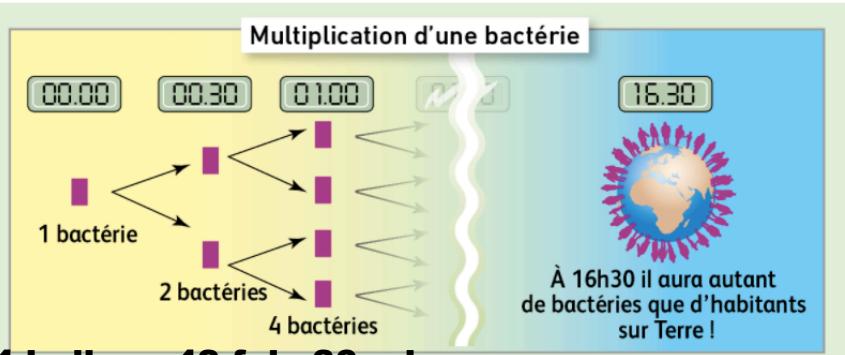


Figure 7

## Exercice 2 :

Donnez le nombre de bactérie dans le milieu au bout de 24 h.

Lorsque des microbes pathogènes parviennent à pénétrer dans le sang ou l'urine et à s'y multiplier, on parle d'infection. Une infection provoque une maladie.



Durant 24 h, il y a 48 fois 30 min.

**Les bactéries vont donc subir 48 divisions.**

**Nombre de bactérie = 1 x 2 x 2 x 2 ..... x 2**

$$\text{Ce qui donne } 2^{48} = 2,8 \times 10^{14} \text{ 48 fois}$$