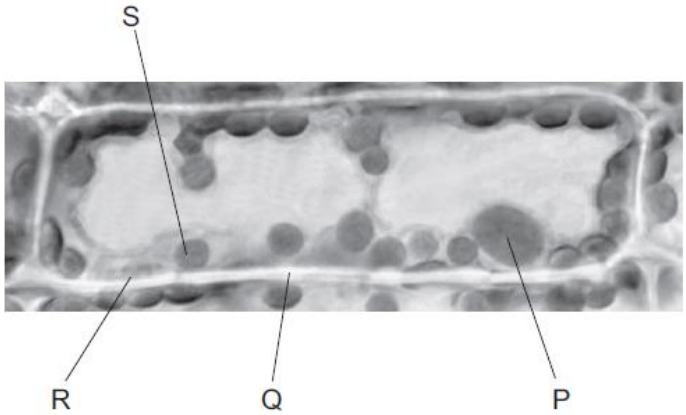
# Organisation of the organism – 2020 IGCSE 0610

**1.** Nov/2020/Paper_11/No.4

The photomicrograph shows a cell from a type of aquatic plant.

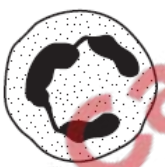



Which parts labelled on the photomicrograph indicate that this is a plant cell?

**A** P and R **B** P and S **C** Q and R **D** Q and S

**2.** Nov/2020/Paper_11/No.6

The cell shown in the diagram has been magnified 3000 times. The diagram is 21 mm wide.



What is the actual diameter of the cell?

**A** 21 mm

**B** $\frac{21\text{mm}}{3000}$

**C** 21 mm × 3000

**D** $\frac{3000}{21\text{mm}}$



**3.** Nov/2020/Paper_12/No.3

Some of the structures found in cells are listed:

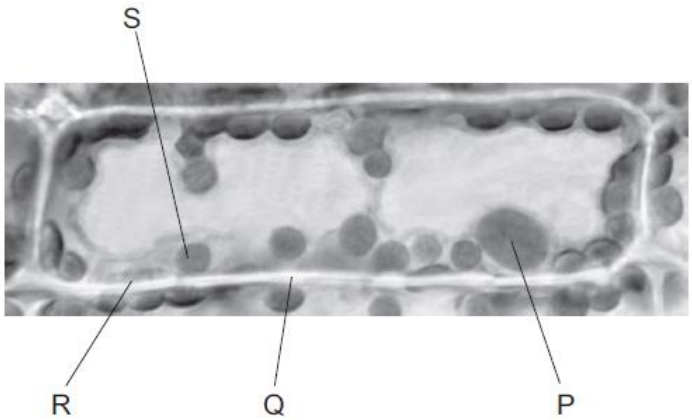
- cytoplasm
- cell membrane
- cell wall
- chloroplast.

How many of these structures are found in the cells of **all** living organisms?

**A** 1 **B** 2 **C** 3 **D** 4

**4.** Nov/2020/Paper_12/No.4

The photomicrograph shows a cell from a type of aquatic plant.




Which parts labelled on the photomicrograph indicate that this is a plant cell?

**A** P and R **B** P and S **C** Q and R **D** Q and S

**5.** Nov/2020/Paper_12/No.6

The cell shown in the diagram has been magnified 3000 times. The diagram is 21 mm wide.

What is the actual diameter of the cell?

**A** 21 mm

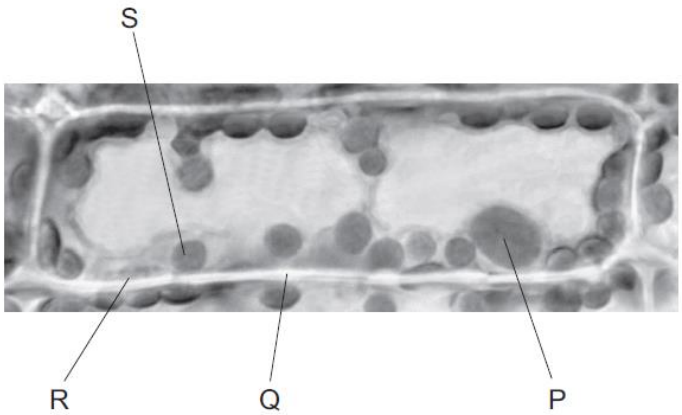
**B** $\frac{21\text{mm}}{3000}$

**C** 21 mm × 3000

**D** $\frac{3000}{21\text{mm}}$

**6.** Nov/2020/Paper_13/No.4

The photomicrograph shows a cell from a type of aquatic plant.



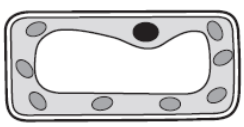

Which parts labelled on the photomicrograph indicate that this is a plant cell?

**A** P and R **B** P and S **C** Q and R **D** Q and S

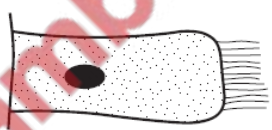
**7.** Nov/2020/Paper_13/No.5

Which cell is adapted for absorption?

**A**

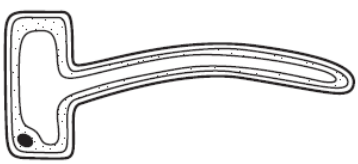


**B**



**C**

**D**



**8.** Nov/2020/Paper_13/No.6

The cell shown in the diagram has been magnified 3000 times. The diagram is 21 mm wide.

What is the actual diameter of the cell?

**A** 21 mm

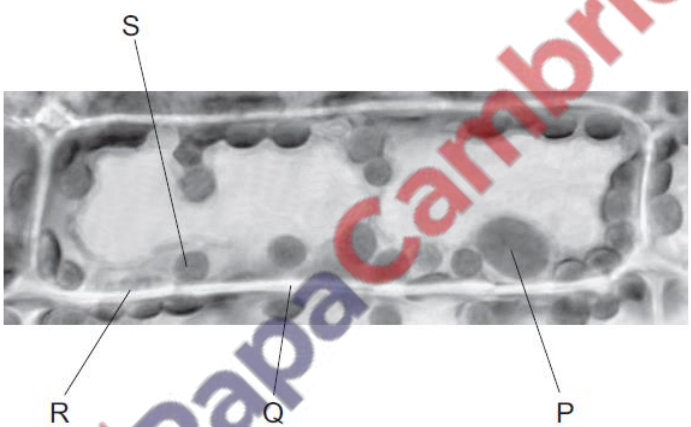
**B** $\frac{21\text{mm}}{3000}$

**C** 21 mm × 3000

**D** $\frac{3000}{21\text{mm}}$

**9.** Nov/2020/Paper_21/No.3

The photomicrograph shows a cell from a type of aquatic plant.




Which parts labelled on the photomicrograph indicate that this is a plant cell?

**A** P and R **B** P and S **C** Q and R **D** Q and S

**10.** Nov/2020/Paper_21/No.4

The diagram shows an image of a chloroplast. The image is 5 cm long.

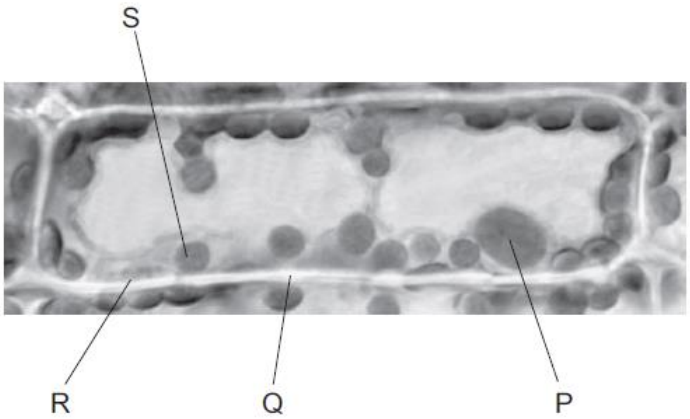
The actual length of the chloroplast is 5 μm.

What is the magnification of the image?

**A** ×10 **B** ×1000 **C** ×10 000 **D** ×100 000

**11.** Nov/2020/Paper_22/No.3

The photomicrograph shows a cell from a type of aquatic plant.

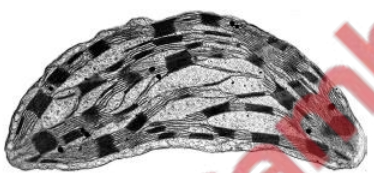



Which parts labelled on the photomicrograph indicate that this is a plant cell?

**A** P and R **B** P and S **C** Q and R **D** Q and S

**12.** Nov/2020/Paper_22/No.4

The diagram shows an image of a chloroplast. The image is 5 cm long.



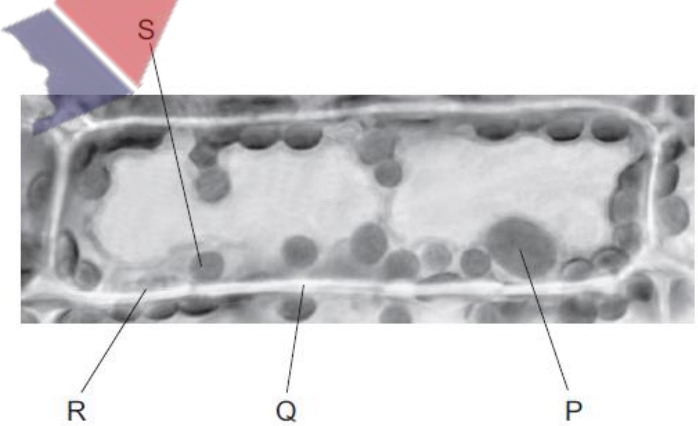
The actual length of the chloroplast is 5 μm.

What is the magnification of the image?

**A** ×10 **B** ×1000 **C** ×10 000 **D** ×100 000

**13.** Nov/2020/Paper_23/No.3

The photomicrograph shows a cell from a type of aquatic plant.

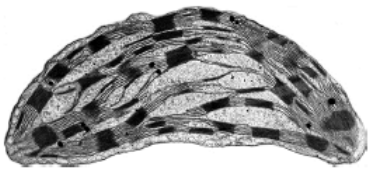



Which parts labelled on the photomicrograph indicate that this is a plant cell?

**A** P and R **B** P and S **C** Q and R **D** Q and S

**14.** Nov/2020/Paper_23/No.4

The diagram shows an image of a chloroplast. The image is 5 cm long.



The actual length of the chloroplast is 5 μm.

What is the magnification of the image?

**A** ×10 **B** ×1000 **C** ×10 000 **D** ×100 000