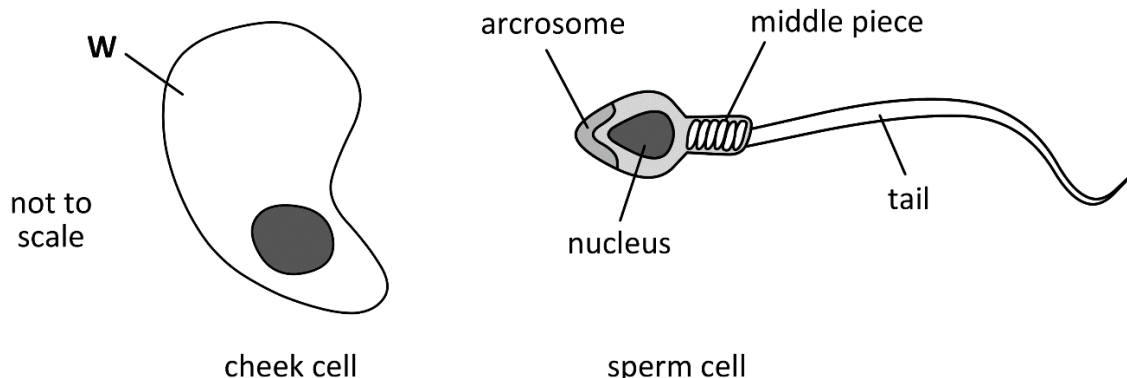


Name:

Class:



The figure below shows two types of cell from a human.



i. What is the part of the cheek cell labelled W?

Cytoplasm

ii. Which labelled part of the sperm cell is also found in the cheek cell?

Nucleus

Name the part of a plant cell that gives the cell support and protection.

Cell wall

Which substance is converted to urea in the liver?

Amino acids

A microscope has two lenses:

- an eyepiece lens with $\times 10$ magnification
- an objective lens with $\times 40$ magnification

Which is the total magnification of this microscope?

$$\text{Magnification} = 10 \times 40 = \times 400$$

$$\text{Magnification} = \times 400$$

Describe **two** ways that white blood cells protect the body from disease.

A description including two from:

- **Make antibodies.**
- **Engulfs or digests pathogens/ bacteria / viruses.**
- **Recognises pathogens / bacteria / viruses**

Sickle cell disease is a recessive genetic disorder in humans. Two parents are heterozygous for sickle cell disease.

i. Complete the Punnett square to show the possible genotypes of their children.

		Woman	
		B	b
Man	B	BB	Bb
	b	Bb	bb

ii. State the percentage probability that their children could have sickle cell disease.

percentage probability = **25 %**

Give the **word** equation for aerobic respiration.

Glucose + oxygen $\rightarrow$ carbon dioxide + water