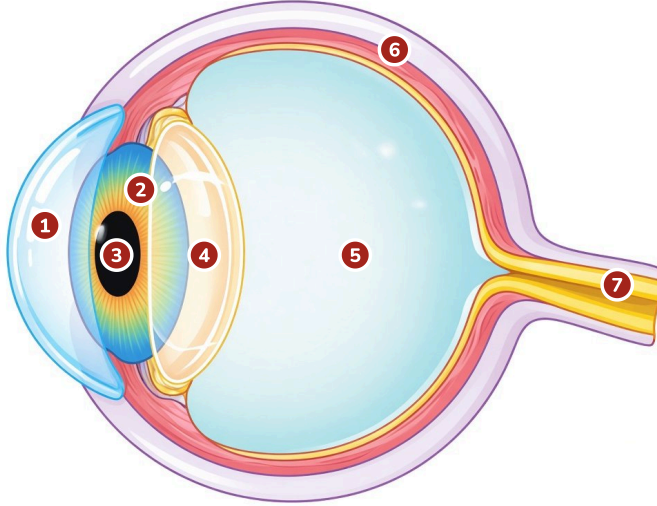




Instructions: Use the word bank to label the diagram. Read the Did you know? box. Number the 4 discoveries in order, tick True or False, match each word to its meaning, then write short answers.

Word bank (body parts): Cornea Iris Lens Optic nerve Pupil Retina Vitreous humour

1. Label the diagram



1 _____ 2 _____ 3 _____ 4 _____
5 _____ 6 _____ 7 _____

Did you know?

- Your retina has about 120 million rods.
- The picture on your retina is upside down.
- Three tiny bones in your ear pass on sound.



Tayo with his anatomy model

About this topic

Your senses collect information and send it along nerves to the brain. The five main senses are sight (eyes), hearing (ears), taste (tongue), smell (nose) and touch (skin). Each sense organ has special receptor cells. Your tongue has about 2,000 to 8,000 taste buds, and much of what we call flavour actually comes from smell.

2. Put the discoveries in order

Write 1 to 4 in the boxes (1 = first).

- | | |
|---|--|
| ☐ Spectacles invented in Italy | ☐ Ibn al-Haytham explains that light enters the eye |
| ☐ Braille invents raised-dot reading | ☐ Kepler explains the image on the retina |

3. True or false?

The pupil gets smaller in bright light.	☐ True	☐ False
Cones help us see colour.	☐ True	☐ False
The cochlea is in the eye.	☐ True	☐ False
We have five main senses.	☐ True	☐ False

4. Match up

Write the letter of the right meaning in the box.

Retina	A. The clear part of the eye that focuses light.
Pupil	B. The light-sensitive layer at the back of the eye.
Lens	C. The nerve carrying signals from the eye to the brain.
Optic nerve	D. The opening in the centre of the iris that lets in light.

5. Short answers

- What does the lens do?

- Name the three tiny bones in the ear.

- Give one way to protect your hearing.

- Explain in your own words: In your own words, explain how a sense organ sends information to the brain.

- Stretch: Describe how light travels through the eye to make an image.

