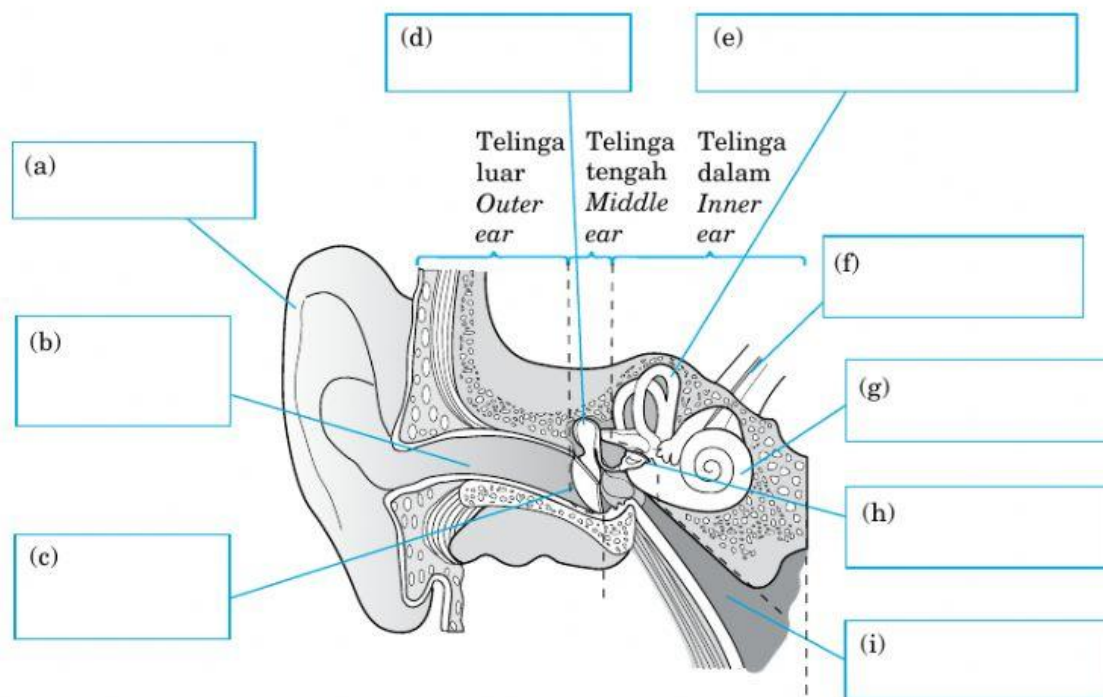


1 Labelkan struktur telinga manusia. TP1

Label the structure of the human ear.

Cuping telinga <i>Pinna</i>	Koklea <i>Cochlea</i>	Salur separuh bulat <i>Semicircular canals</i>	Saraf auditori <i>Auditory nerve</i>	Osikel <i>Ossicles</i>
Tiub Eustachio <i>Eustachian tube</i>	Salur telinga <i>Ear canal</i>	Gegendang telinga <i>Eardrum</i>	Jendela bujur <i>Oval window</i>	



2 Apakah fungsi telinga?/What is the function of the ear? TP1

Mengesan _____/To detect _____

3 Bahagian telinga yang manakah akan terganggu apabila seseorang mengalami mabuk laut atau selepas menggunakan lif? TP1

Which part of the ear is affected when a person suffers from seasickness or after using a lift?

Galeri Info

Salur telinga juga dikenal sebagai salur auditori.
Ear canal is also known as auditory canal.

4 Tandakan (✓) dua struktur telinga yang **tidak** memainkan peranan dalam pendengaran. TP1

Tick (✓) two structures of the ear which do not play a part in hearing.

☐ Cuping telinga <i>Pinna</i>	☐ Salur separuh bulat <i>Semicircular canals</i>	☐ Tiub Eustachio <i>Eustachian tube</i>
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5 Nyatakan kandungan bahagian telinga./State the content of the parts of the ear. TP1

Bendalir/Fluid

Udara/Air

(a) Telinga luar/External ear : _____

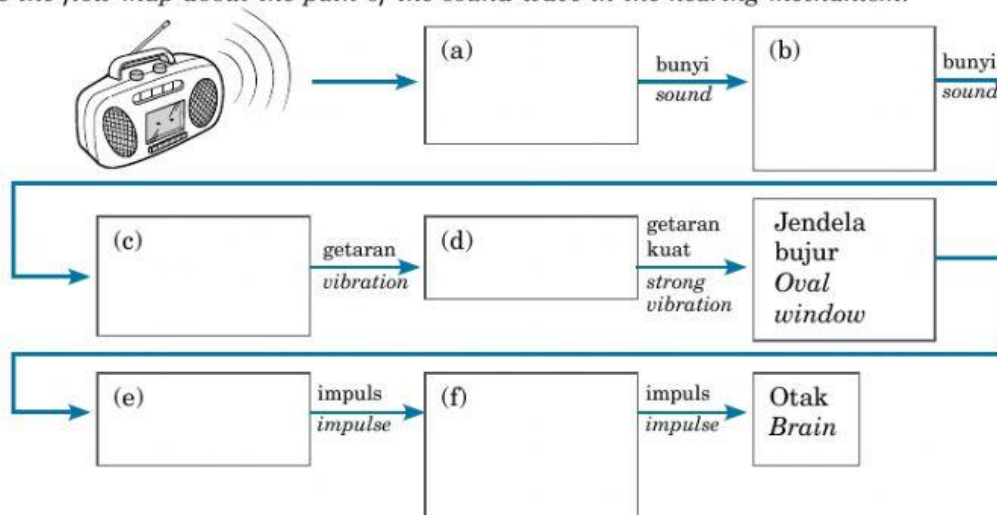
(b) Telinga tengah/Middle ear : _____

(c) Telinga dalam/Inner ear : _____

- 6 Namakan bahagian telinga berdasarkan fungsinya. **TP2**
Name the parts of the ear based on their functions.

Bahagian telinga Parts of the ear		Fungsi Functions
Telinga luar Outer ear	(a)	Mengumpul dan menghantar gelombang bunyi ke dalam salur telinga <i>Collects and sends sound waves into the ear canal</i>
	(b)	Menyalurkan gelombang bunyi ke gegendang telinga <i>Channels sound waves to the eardrum</i>
Telinga tengah Middle ear	(c)	Bergetar apabila gelombang bunyi mengenainya dan memindahkan getaran ke osikel <i>Vibrates when it is hit by sound waves and sends vibrations to ossicles</i>
	(d)	Menguatkan getaran bunyi dan memindahkannya ke jendela bujur <i>Amplify sound vibrations and send them to the oval window</i>
	(e)	Menghantar getaran dari osikel ke koklea <i>Sends vibrations from the ossicles to the cochlea</i>
	(f)	Mengimbangkan tekanan udara di kedua-dua belah gegendang telinga <i>Equalises the air pressure on both sides of the eardrum</i>
Telinga dalam Inner ear	(g)	Mengesan dan menukarkan getaran bunyi kepada impuls saraf <i>Detects and converts sound vibrations into nerve impulses</i>
	(h)	Mengesan kedudukan kepala dan mengawal keseimbangan badan <i>Detect the position of the head and control the body balance</i>
	(i)	Menghantar impuls saraf ke otak untuk pentafsiran <i>Sends nerve impulses to the brain for interpretation</i>

- 7 Lengkapkan peta alir tentang laluan gelombang bunyi dalam mekanisme pendengaran. **TP2**
Complete the flow map about the path of the sound wave in the hearing mechanism.



- 8 Ali menghadapi masalah hilang pendengaran. Bahagian telinga manakah yang mungkin rosak dan cadangkan **satu** cara untuk mengatasi masalahnya? **TP3/KBAT**
Ali faces the problem of hearing loss. Which part of the ear may be damaged and suggest a way to resolve his problem?

