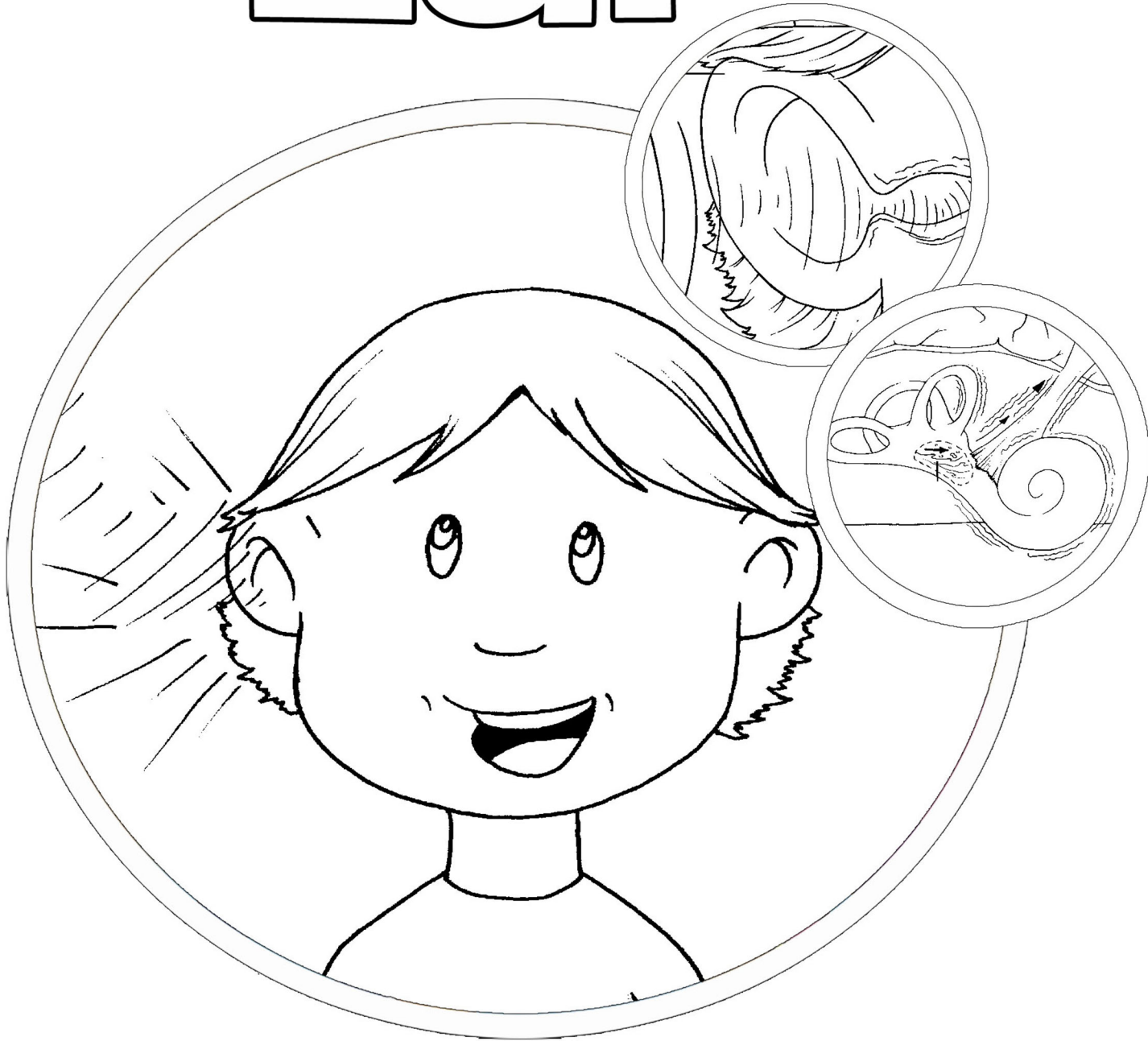


Starting reactions
that last a lifetime®

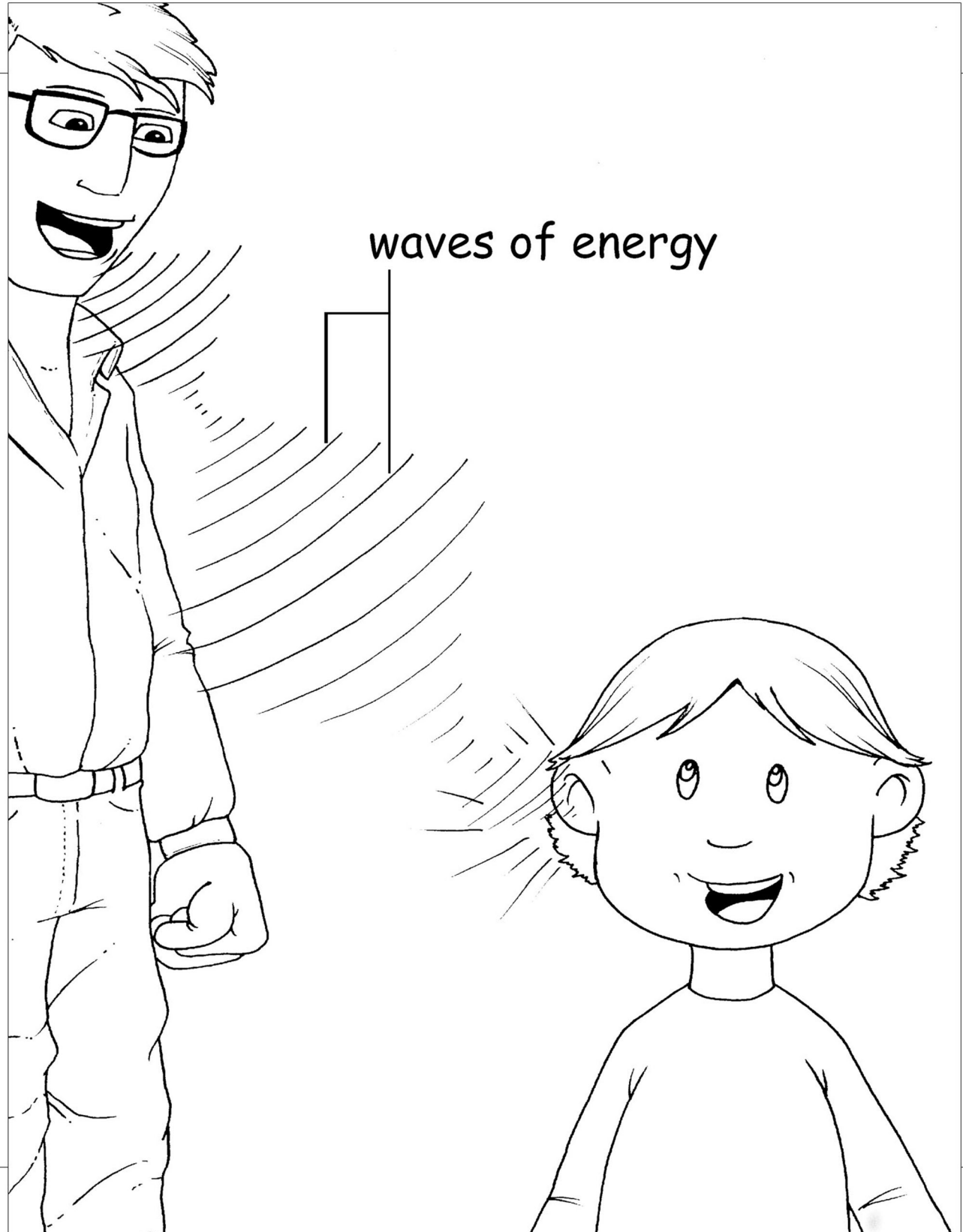
An Introduction to the Ear



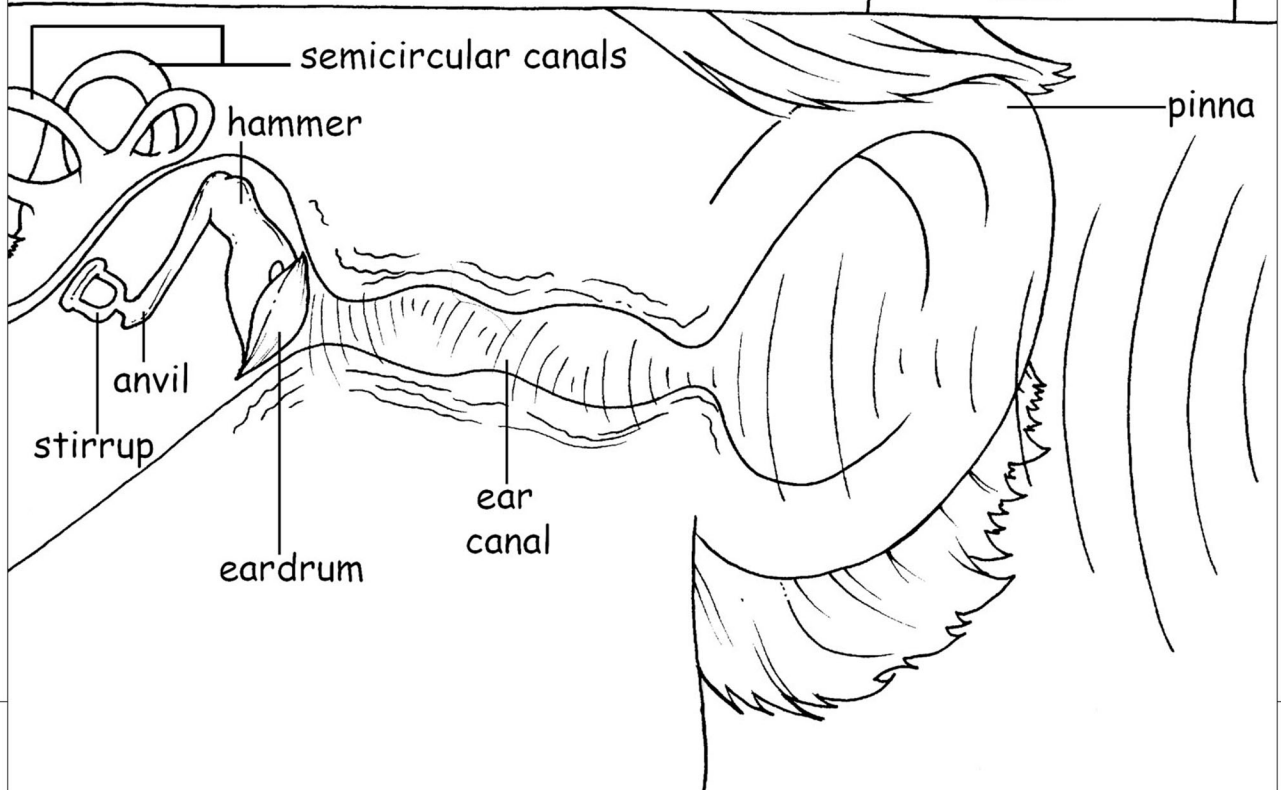
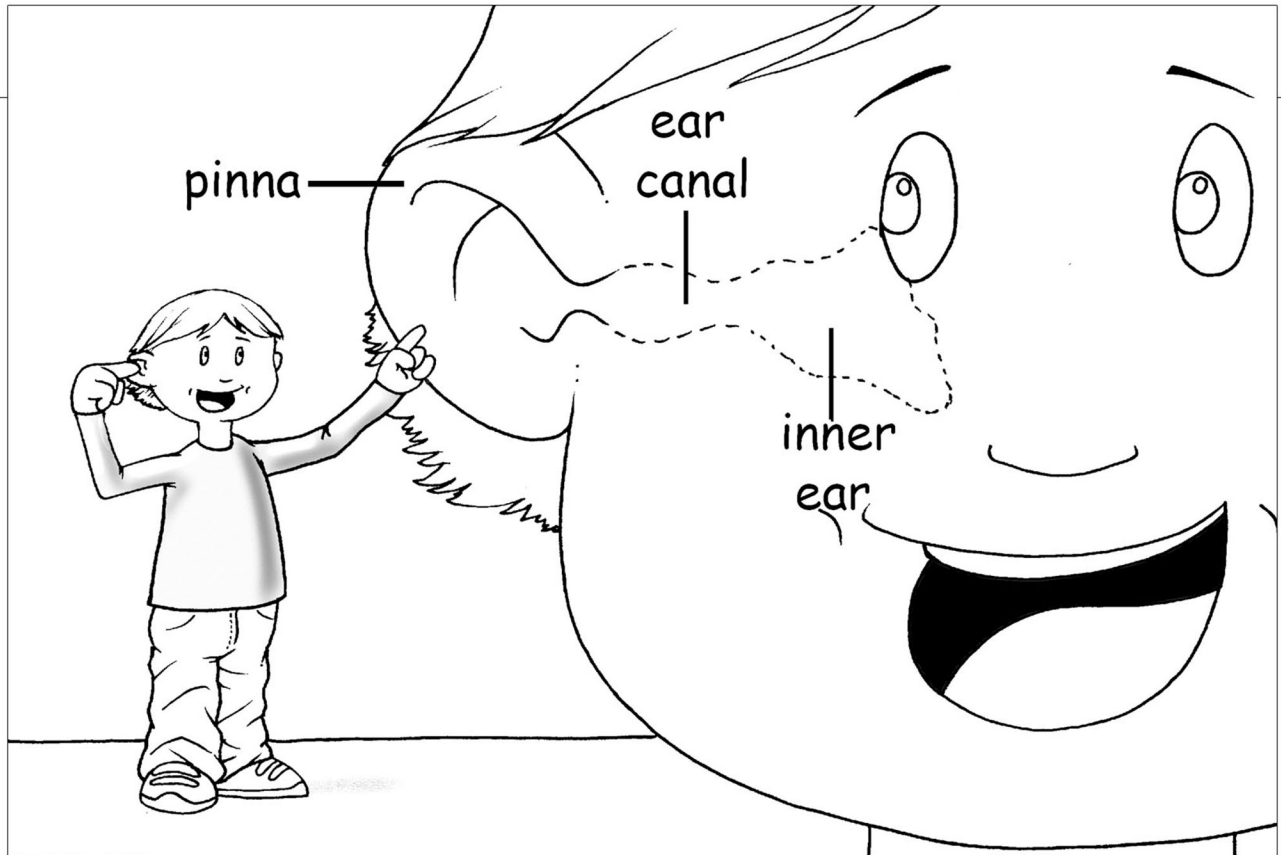
Coloring Book



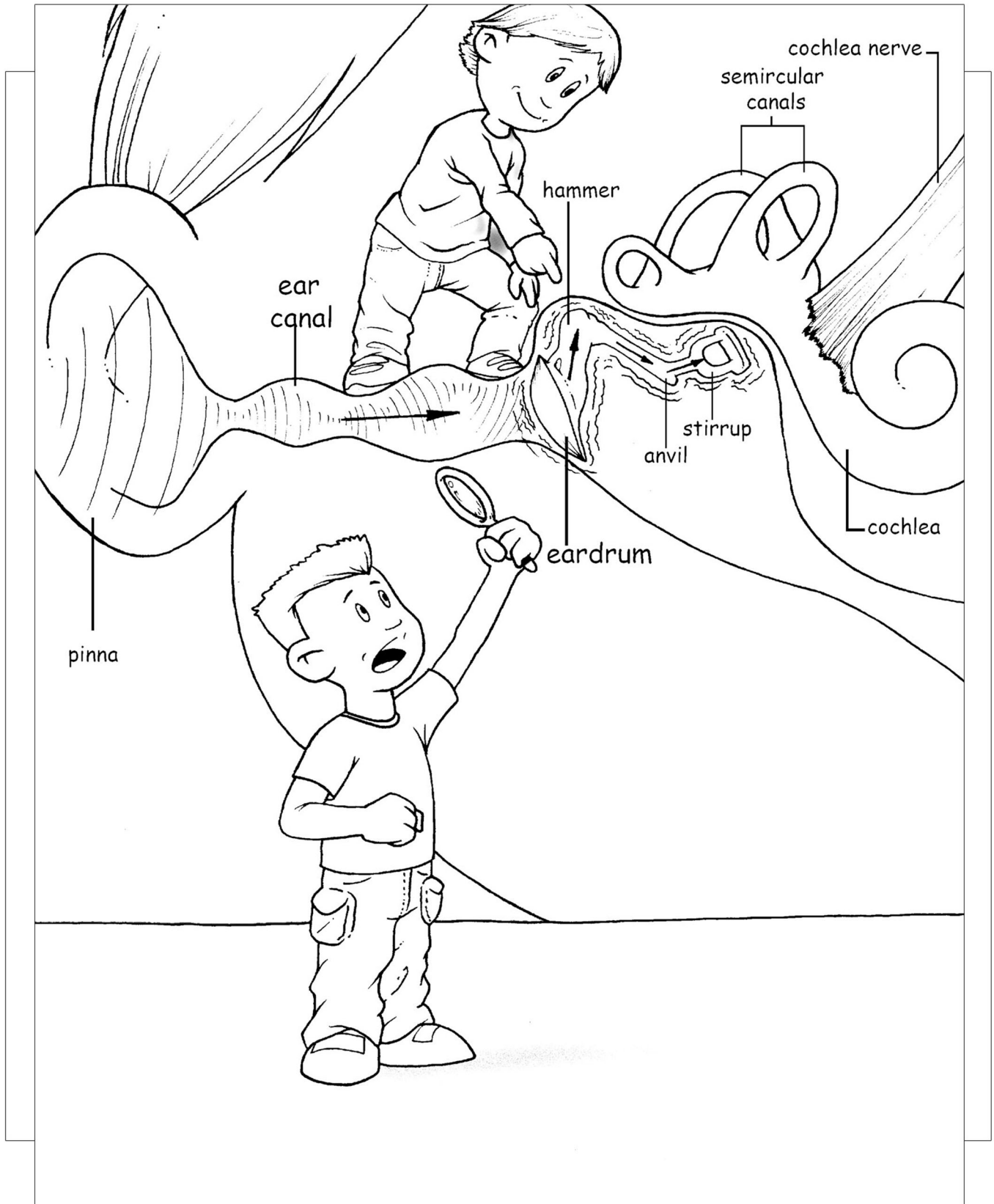
Sound is waves of energy
That travel through the air
So when my Daddy talks to me
Vibrations fly EVERYWHERE!



It's vibrating air that travels fast
And lands outside my ear
Before it starts along its path
So I hear things loud and clear.

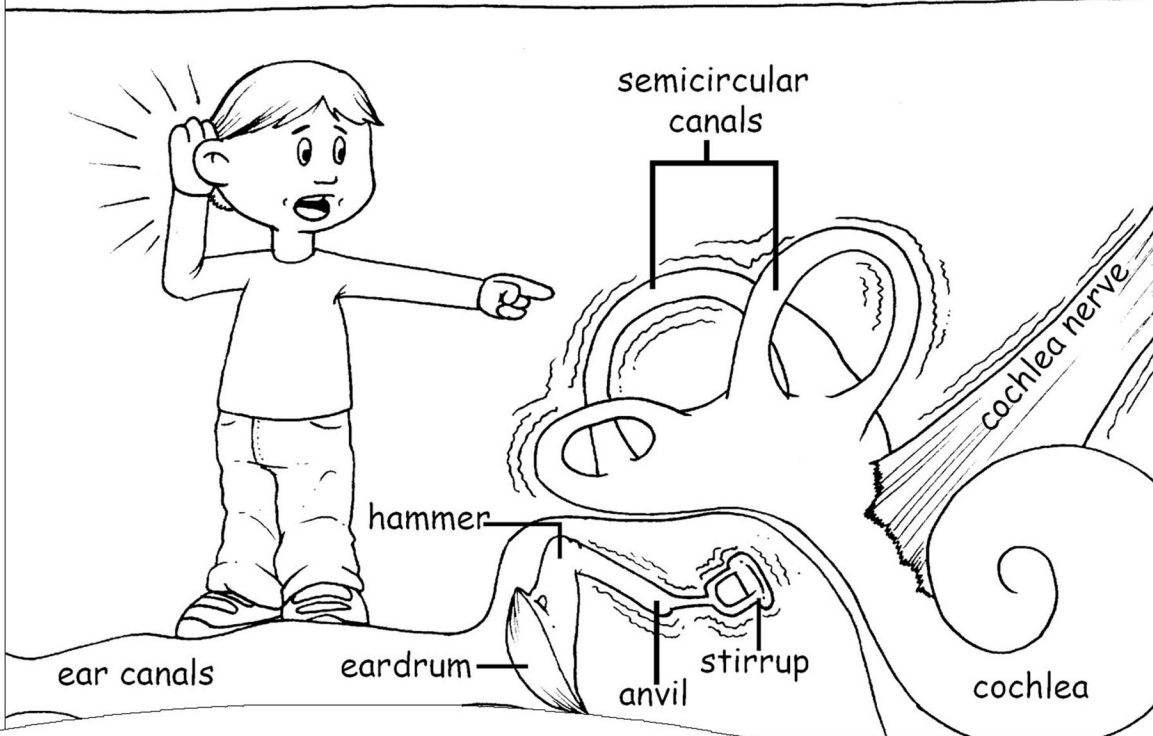
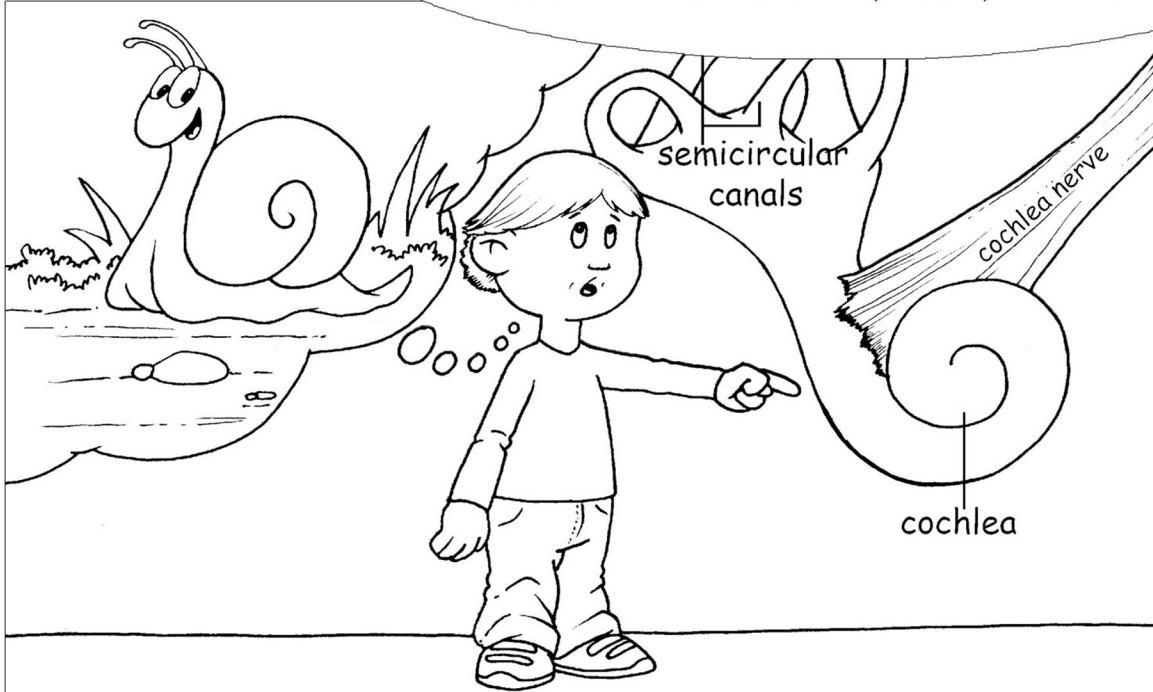


First is my outer ear, or pinna
My ear canal is second in line
Next the vibrations jump and run
On my eardrum which works just fine!



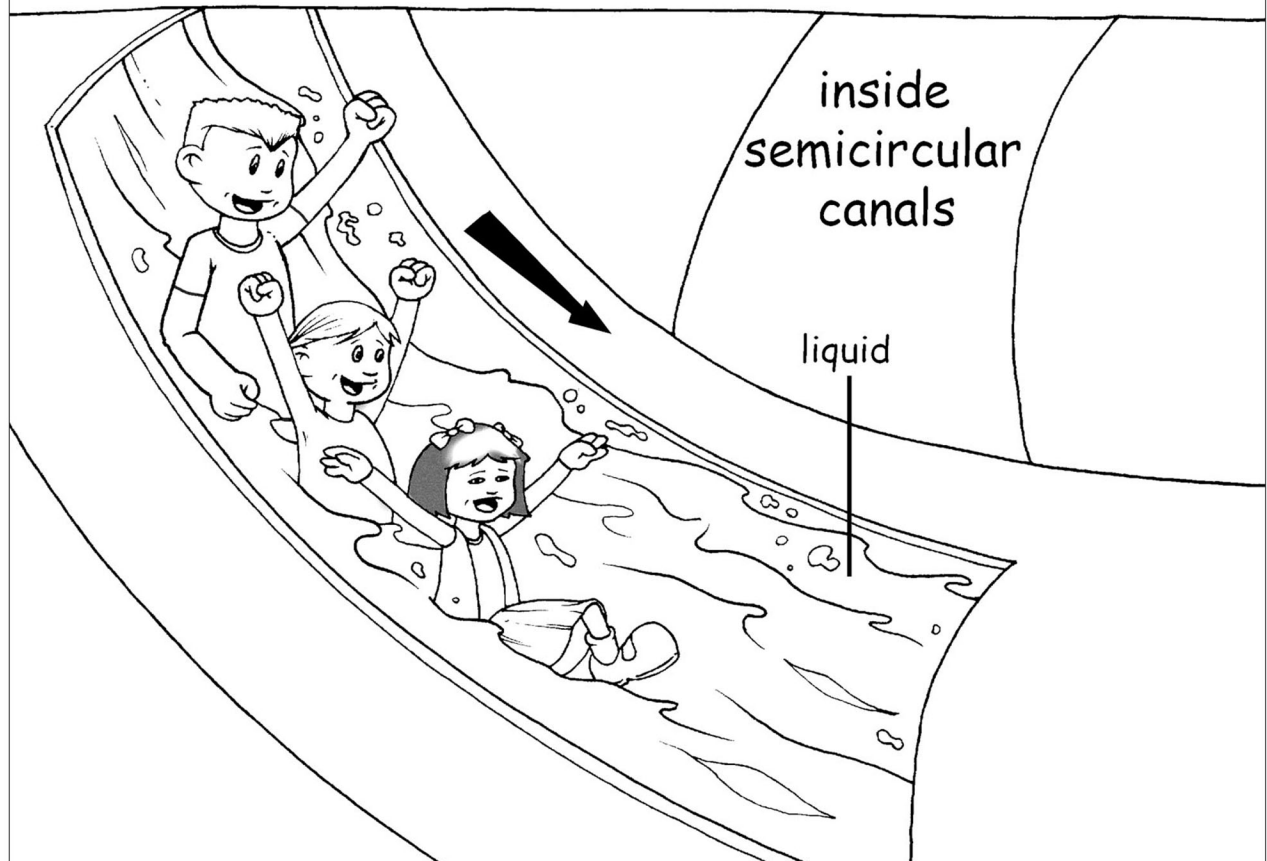
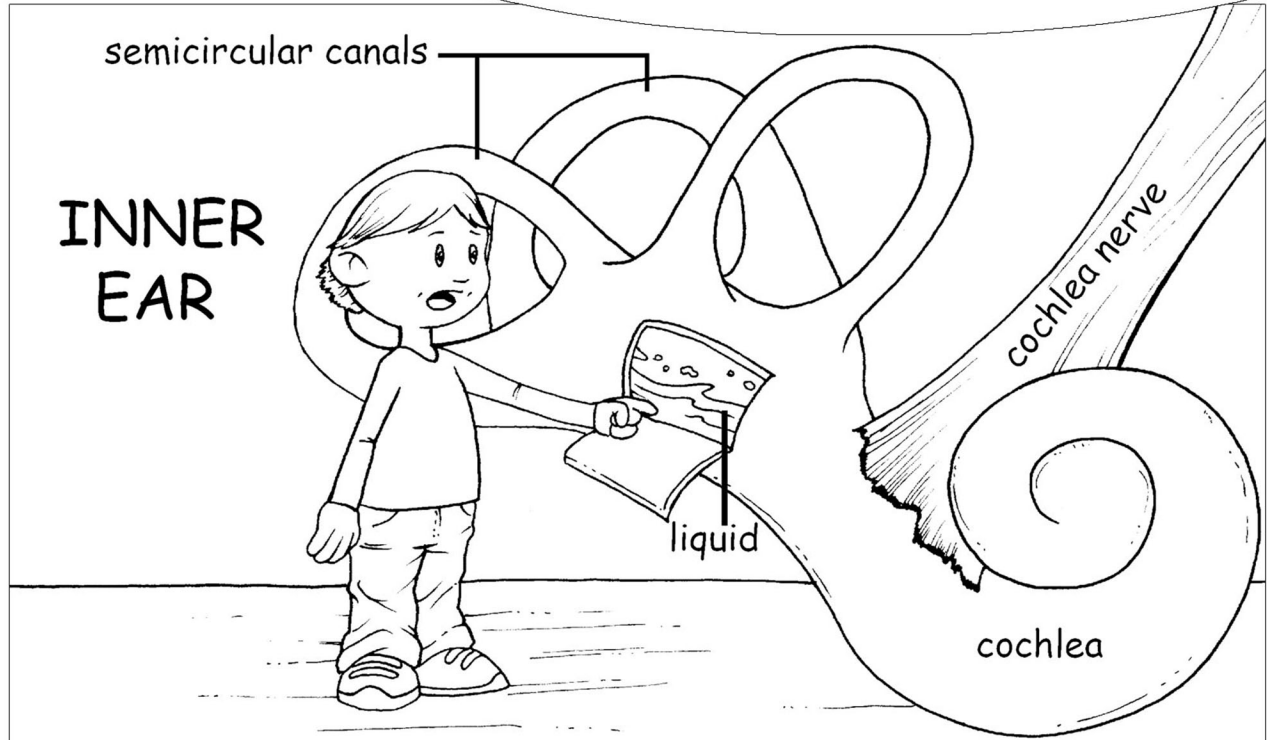
And when my eardrum starts to shake
The 3 bones in my middle ear
The anvil, hammer and stirrup quake
Yup, they ALL help me to hear!

My cochlea's in my inner ear
It looks like a snail's shell

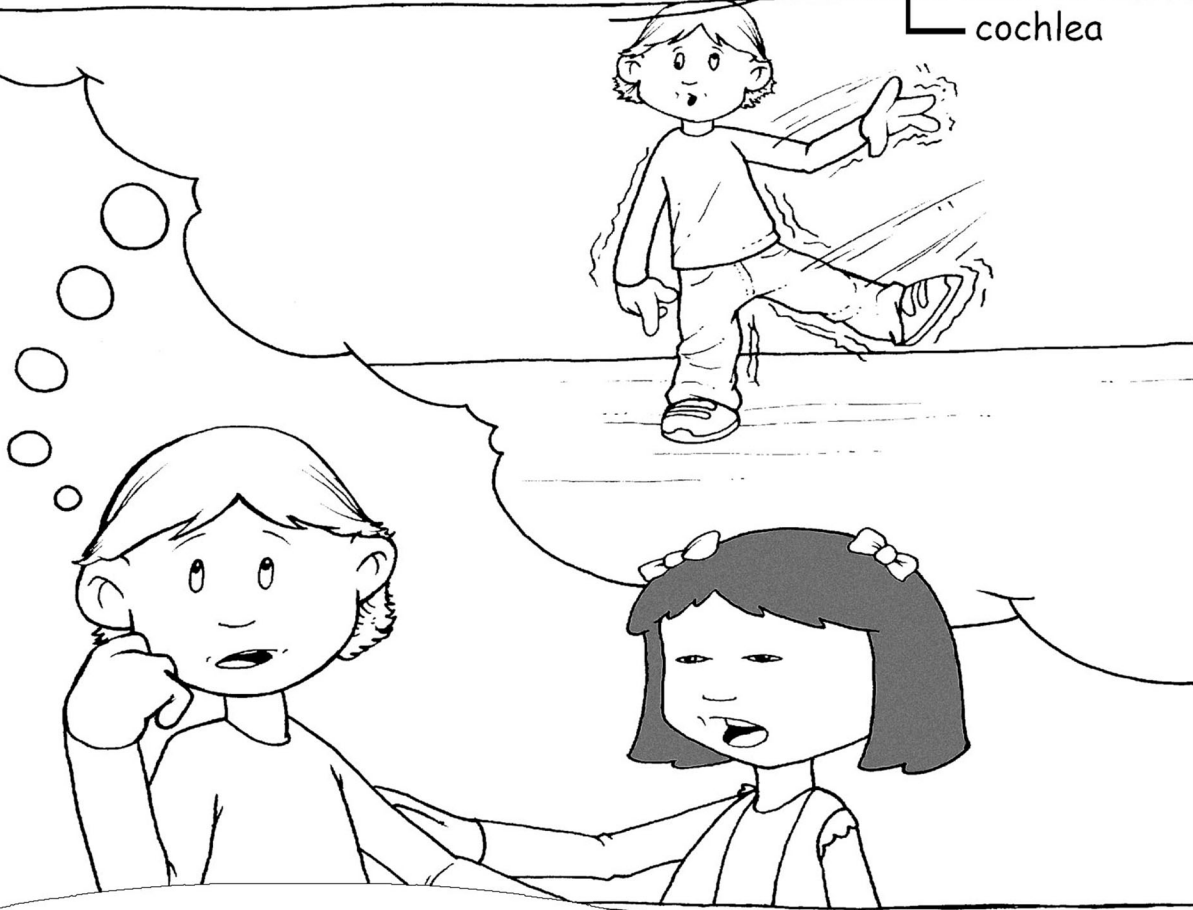
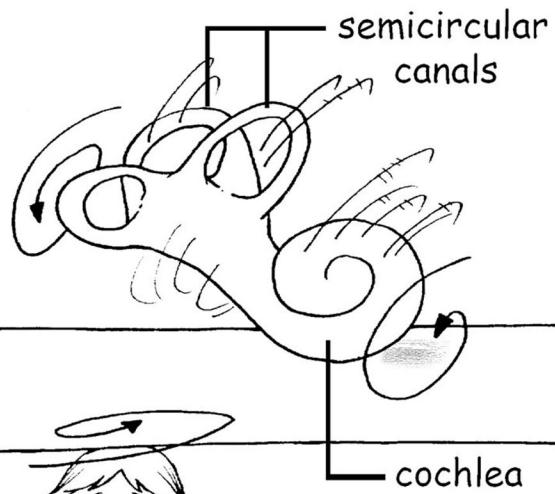
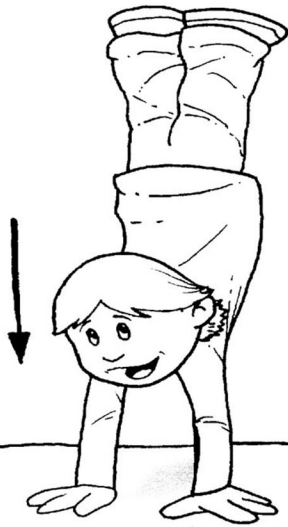


I also have semi-circular canals in there
Yup, they ALSO help me hear quite well!

The liquid in my inner ear
Keeps me standing straight and tall

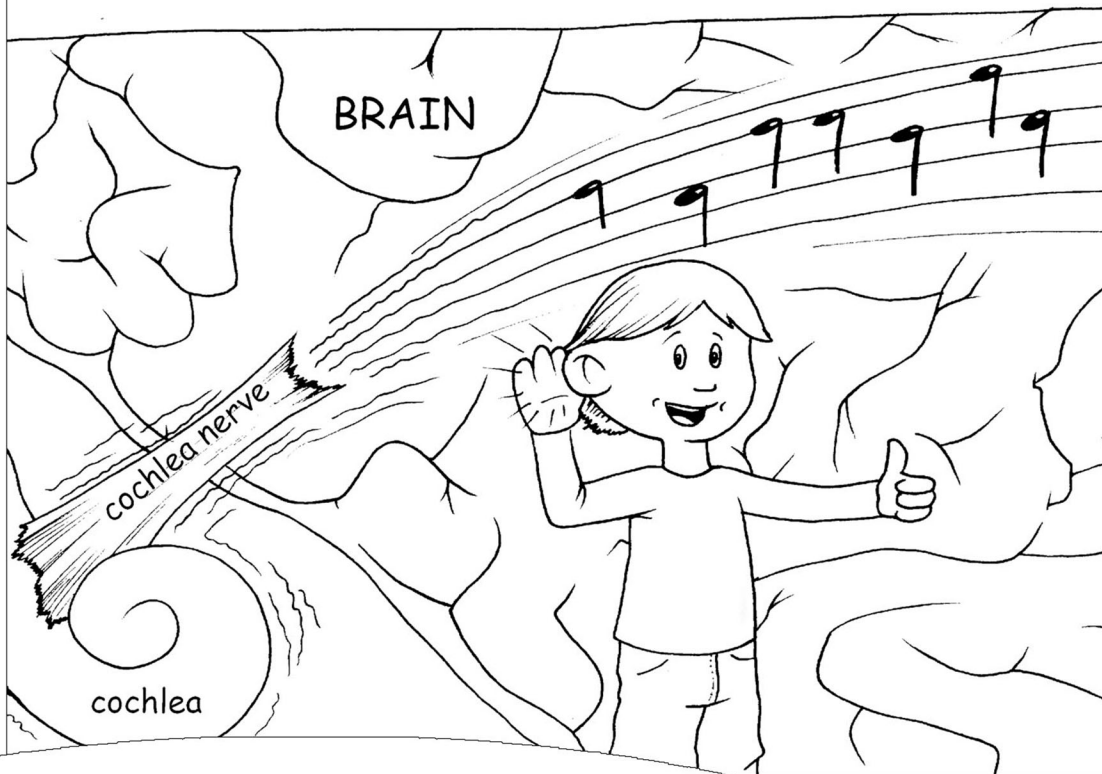
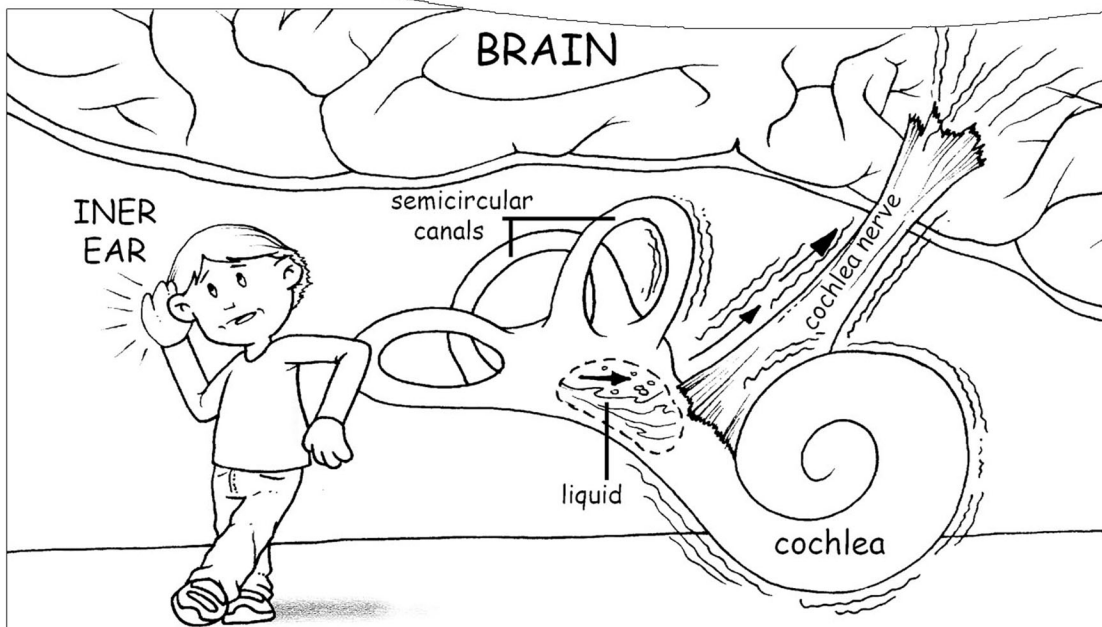


INNER EAR

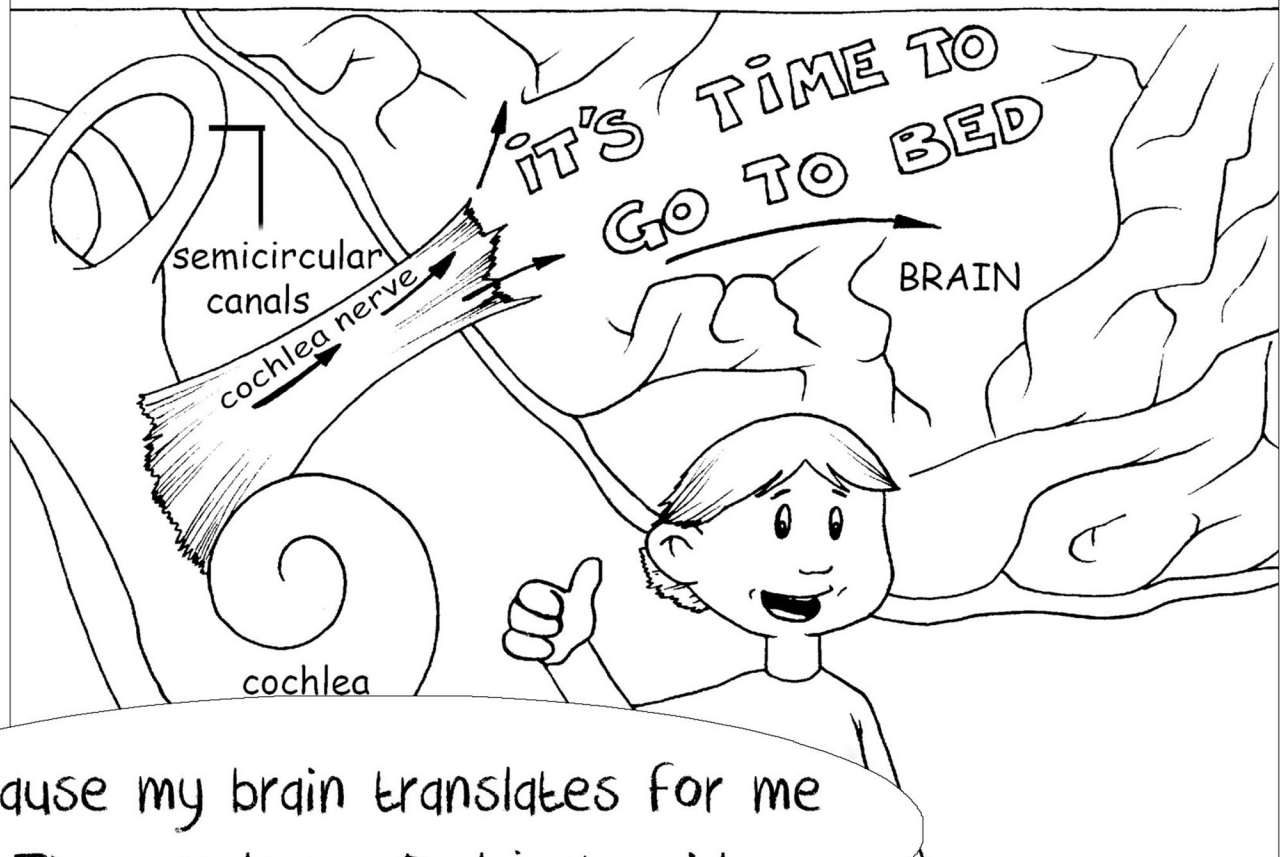
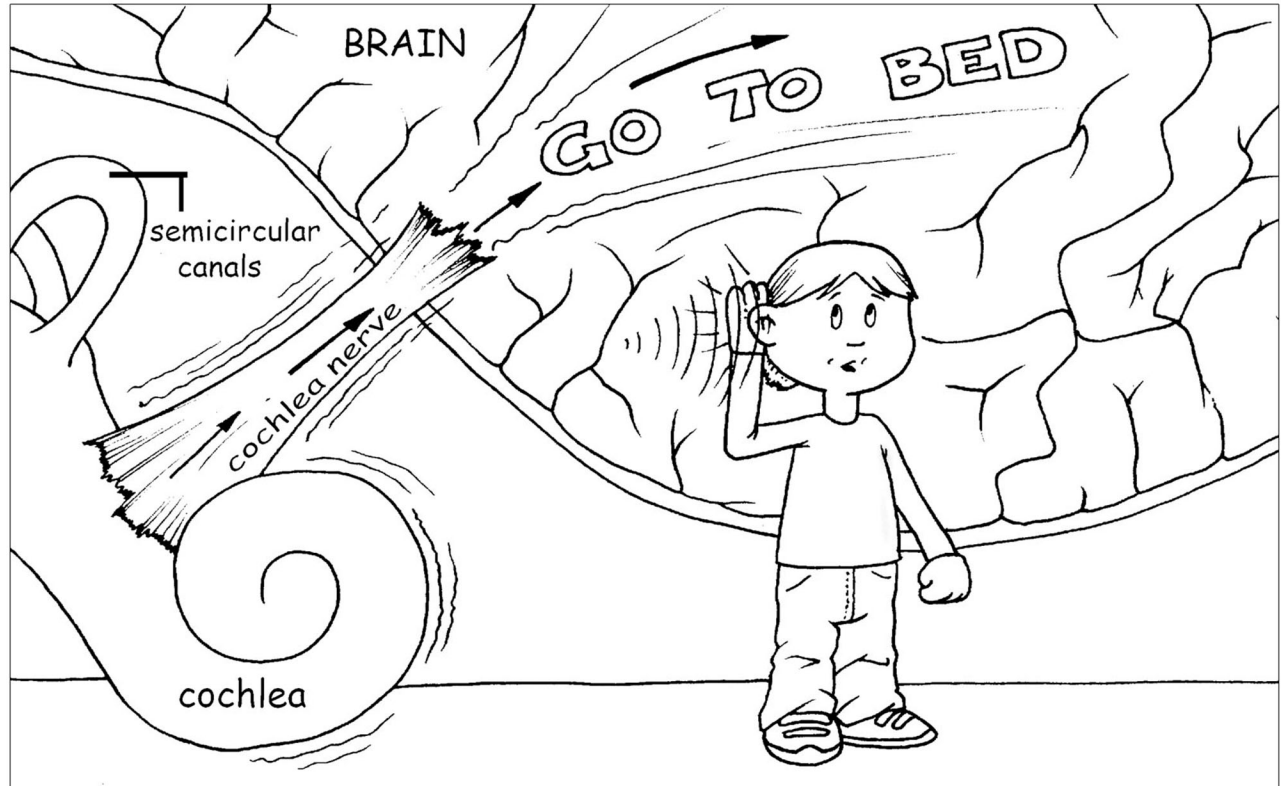


But if I spin this liquid round
I'll get dizzy and I'll fall.

And when this liquid rattles the nerves
Which are in there too-just hanging around



They send tons of signals to my brain
Then I hear all KINDS of sound!



Because my brain translates for me
The words my Dad just said

SCIENCE
with me!®



I understand him PERFECTLY
It's time to go to bed!