

### Effects of hearing

#### By I.D, M.B and A.R

Headphones have a wire that virates and makes sound. Don't crank it t max volume



lvan.



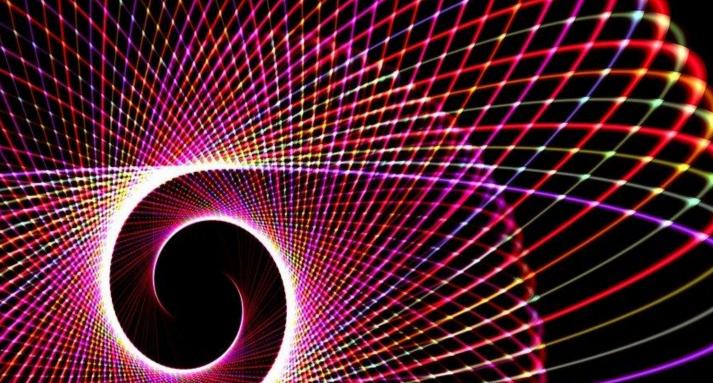
# Create your own headphones!

Look on page 9 for more info

Ivan



### Everything that makes a sound, vibrates. It makes sound go into the ear. Ivan





### Ear canal

The canal brings sound waves

To the ear drum. It is lined

With tiny hairs and a waxy substance

That help to keep dust and dirt from

Reaching the ear drum.mika





### The Middle Ear

The tiny bones of the middle ear transfer the vibrations from the ear drum to the cochlea

The hammer picks up vibrations from the ear drum

## First, decide what they can *do* and then *design them*.

My one can give you a meal anytime and anywhere and come with iPhone x12 and let you make youtube videos (how much ever you want)!



This is what I.D drew (Ivan Danilyuk)

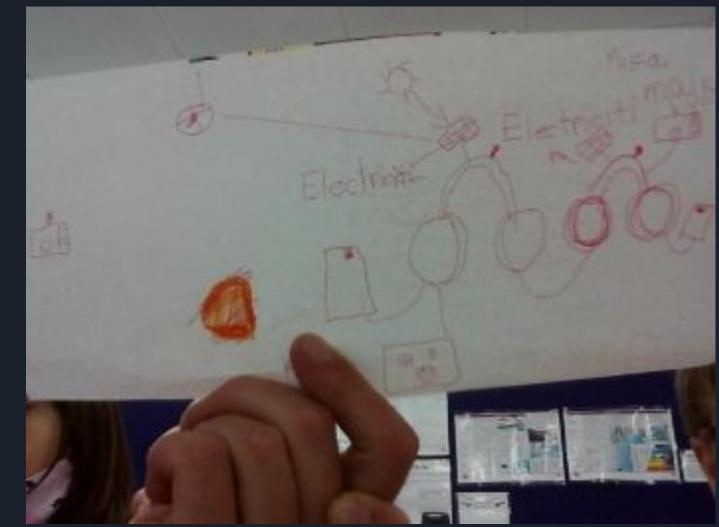




This is what M.B made.

(Mikaela

Bremont)



Ivan



#### The ear is the organ of hearing. STRUCTURE - The human ear consists of 3 parts.

THE OUTER EAR

MIDDLE EAR

**INNER EAR** 







If your ears are working well, you hear sounds all the time. You can not switch your ears off, even when you are sleep.

Hearing range describes the range of frequencies that can be heard by humans or other animals though it can also refer to the range of levels. The human range is commonly given as 20 to 20,000 Hz.



Pitch is how high or low a note sounds. A melody is made up of high and low pitched notes played one after the other.





## Diseases of the ear may lead to hearing loss and balance disorders.









### Headphones Mik

Here are the basic materials that are used in the production of headphones:

1 pvc 8 Other metals

2 plastic

3 Rubber

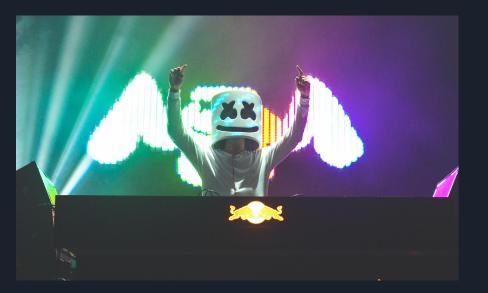
4 Artificial leather

5 Memory foam

6 copper

7 Ceramics

# THE END



### Ivan, Alex, Mika