

## **STEM CONNECT**

What differentiate millennials and iGen generations from the previous generations are the technology boom. Particularly, communication has become easier because of the development of mobile phones or cell phones. Aside from its cellphones have programs like music and video the development of cellphone features, are earbuds and headphones to enhance listen individuals.

The experiences people what cellphones offer is extraordinary. Unfortunately these experiences will go beyond the acceptable level damage specific receptors in the body. For music who use cellphones with headphones to listen to m itory sense may get harmed when volume is cranked up

According to a study done by the Department of Otolaryngology at the Postgraduate Institute of Medical Education and Research in India, damage to hearing is not only caused by the use of earbuds but also the use of smartphones without earbuds. Also, the study states that damage is not only caused by loud volume but also by electromagnetic waves emitted



from the cellphones. This conclusion was arrived at after comparing the hearing functions of 125 cellphone users for at least one year and 58 non-users. The difference of the hearing functions of users and non-users is significant.

The World Health Organizations [REDACTED] more than one billion people is bound to loss th [REDACTED] because of the continuous improper use cellphones ar [REDACTED] Turning up the volume of sound listened through he [REDACTED] earbuds subject parts of the ears responsible in [REDACTED] sound to the brain. In particular, it can dama [REDACTED] that has no ability to regenerate once damage [REDACTED] the damage is permanent.

Masking noise of traffic, construction and [REDACTED] music heard from cellphones with earbuds or he [REDACTED] solve noise problems but increases hearing dama [REDACTED] Banks of the Canadian Hearing Society advised [REDACTED] society should take a closer look at what sound [REDACTED] into the eardrum to prevent permanent he [REDACTED] generations to come.

### **SCIENTIFIC AND MATHEMATICAL READINGS**

As discussed in the content section of this chapter, sensory receptors, processors and motor effector organs are communicate with each other through nerve cells. In the process

of communication, changes in form happens. Physics and Chemistry has the ability to further explain these changes to understand the complete  an. Read and broaden your understanding by the article, "Sense organs - tra  y C. Rashbass.

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