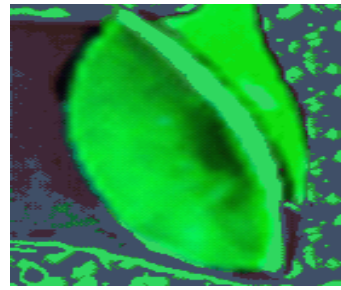




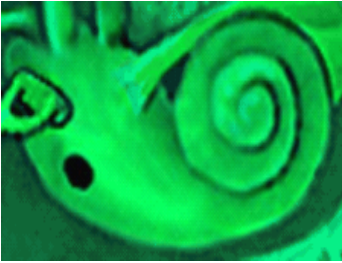
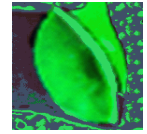
Gehörknöchelchen

## Gehörknöchelchen



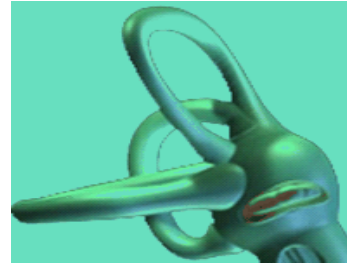
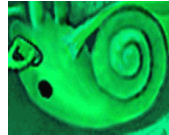
Trommelfell

## Trommelfell



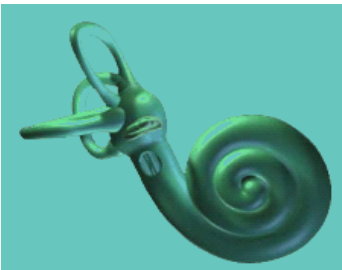
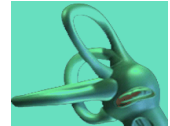
Schnecke

## Schnecke



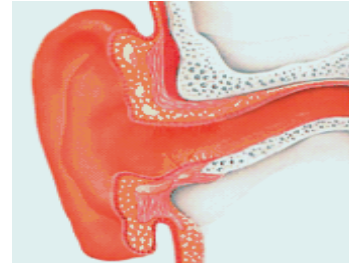
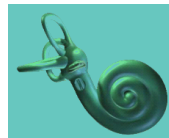
Bogengänge

## Bogengänge



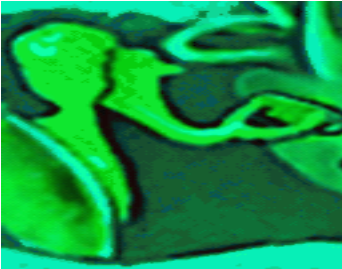
Innenohr

## Innenohr



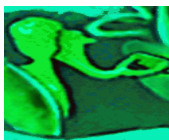
Außenohr

## Außenohr



Mittelohr

## Mittelohr



Bürolärm

## Bürolärm



Werkhallenlärm

## Werkhallenlärm



Schädigungsgrenze

## Schädigungsgrenze



Schmerzgrenze

## Schmerzgrenze



Disco, Rockkonzert

## Disco, Rockkonzert





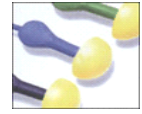
Lärmschutz tragen

# Lärmschutz tragen



Ohrstöpsel, Ohropax

# Ohrstöpsel Ohropax (SNR=25 dB(A))



2 Quellen = Pegel + 3

# 2 gleichlaute Lärmquellen = Pegel + 3 dB



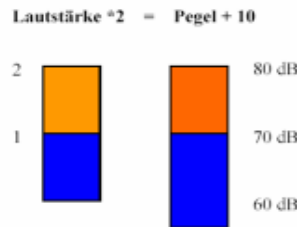
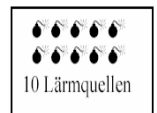
Ganzohrschutz

# Ganzohrschutz (SNR=25 dB(A))



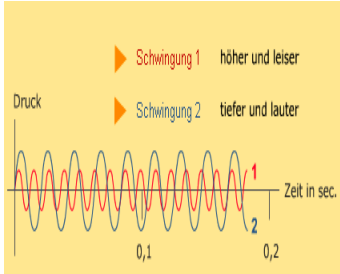
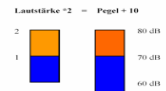
10 Quellen = Pegel + 10

# 10 gleichlaute Lärmquellen = Pegel + 10 dB



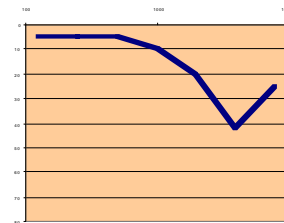
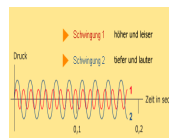
Lautstärke\*2= Pegel+10

# doppelte Lautstärkeempfindung = Pegel + 10 dB



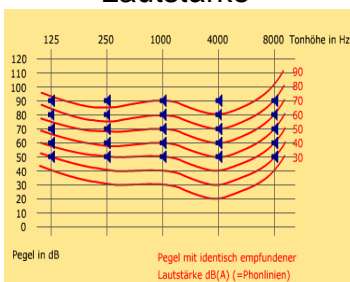
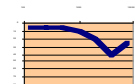
Tonhöhe und Lautstärke

# Tonhöhe und Lautstärke



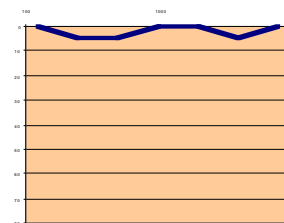
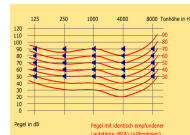
Lärm-  
audiogramm

# Lärm- audiogramm, C5-Senke



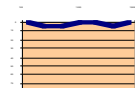
Laustärkeempfindung

# Lautstärkeempfindung



Normalaudiogramm

# Normal- audiogramm



ungeschützt max. 30 Min.

# Ungeschützt maximal 30 Minuten!!



ungeschützt max. 5 Min.

# Ungeschützt maximal 5 Minuten!!





