![C:\Documents and Settings\petereri\Local Settings\Temporary Internet Files\Content.IE5\RKDSWH4H\MC900187159[1].wmf]()**Body Atlas: NOW HEAR THIS**

The ear is a triumph of bionics- a union of acoustics, mechanics, hydraulics, electronics, and miniaturization. It has two major separate functions to perform. It is the most essential organ for Zita, an international gymnast. Her ear is the entrance to her brain for the music which she translates into rhythmic and graceful movement. It also is the system which maintains her balance.

**Video Questions:**

1. What parts of the ear are only used for hearing?
2. What are the three bones in the ear?
3. How do these bones help your hearing?
4. What is the built in microphone in the cochlea?
5. What happens to your hearing as you get older? Why?
6. When does a person’s voice box first start to function correctly
7. What parts of the ear are used for balance?
8. Why do you get dizzy?
9. How much do the hairs in the ear move when we hear a sound?