COGS 17 A03 Week 5 Problem Set

1. What kind of potential do hair cells fire?
2. What kind of potential do spiral ganglions (ANFs) fire?
3. What are the two ways the auditory system codes for the frequency of a sound?
4. Place coding works by the \_\_\_\_\_\_\_\_\_\_\_ of NT.

1. Briefly describe the Volley Principle.
2. How does localization work?
3. Localization via intensity differences works best with \_\_\_\_\_\_\_\_ (high/low) frequencies.
4. Localization via phase differences works best with \_\_\_\_\_\_\_\_ (high/low) frequencies.
5. Briefly describe the auditory pathway.

Hair cells >> \_\_\_\_\_\_\_\_\_\_\_\_\_\_ >> \_\_\_\_\_\_\_\_\_\_\_\_\_\_ >>

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ >> \_\_\_\_\_\_\_\_\_\_\_\_\_\_ >> \_\_\_\_\_\_\_\_\_\_\_\_\_\_

>> \_\_\_\_\_\_\_\_\_\_\_\_\_\_ >> \_\_\_\_\_\_\_\_\_\_\_\_\_\_ >> \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Is the Cochlear Nucleus a monaural site or a binaural site? What about the superior olive?