Case Study 4

Read the case study scenario, then answer the questions

Grading Rubric:

1. Type your responses in a word document using 12-point font and single spacing.  
2. Number and label your responses.  
3. Submit your word file via blackboard.  
4. Please make sure your responses are written in your own words.

5. Check your responses for grammar and spelling.

Note: Incidents of plagiarism will result in you failing the assignment and you will be referred to the office of student conduct.

*You are seeing a 4-year-old child in your clinic. The parents report that her speech and language development is delayed. The child passed her newborn hearing screening. She has a significant history of chronic otitis media. Medical history is otherwise unremarkable. The parents report that she is inattentive and has difficulty following oral instructions. The child frequently turns up the volume on the television. There is no family history of hearing loss.*

1. (10 points total; 2.5 points per correct answer)
   1. What region of the ear (outer, middle, or inner) is associated with otitis media?

* **The middle ear is associated with otitis media.** 
  1. What type of hearing loss (conductive, sensorineural, or mixed) is associated with otitis media?
* **Conductive hearing loss.** 
  + 1. On an audiogram, would air conduction testing be typical or atypical for this type of hearing loss?
  + **Atypical.** 
    1. On an audiogram, would bone conduction testing be typical or atypical for this type of hearing loss?
  + **Typical.**

1. (10 points) Explain why children are more susceptible to otitis media than adults.

* **Children are more likely to develop ear infections, like otitis media, because their eustachian tubes are smaller, narrower, and more horizontal than adults’ eustachian tubes are. Therefore, it is easier for bacteria to get in and more difficult for fluid to be drained in children than in adults.**

1. (5 points) What treatment would likely be recommended for a child with chronic otitis media?

* **Antibiotics or a pressure equalizer tubes placed in by a Ear-Nose-Throat Doctor.**