

## Hearing Article Questions:

Directions: Answer the following questions in complete sentences on p. 85 in your ISN.

1. What specialized structures in the ear help to generate and relay balance signals to your brain?
2. How do proprioceptors in your lower extremities help to provide your body with sensing gravity and body position?
3. Discuss the three systems in your body that help to maintain balance and spatial awareness.
4. Explain why our vision is not blurred while bouncing as we walk from place to place. What body processes help to continually correct this issue?
5. Your grandma complains of blurred vision, difficulty reading signs while she is driving and walking. She also has trouble recognizing familiar people while she is moving. What would you suggest as a diagnosis to her problem? Explain.
6. What important reflex allows for continual, coordinated muscle adjustments that keep you upright and that helps you to maintain your balance?
7. a) Discuss the condition that results when the vestibulo-ocular reflex is damaged. b) What are 3 signs/symptoms that are indicative of this disorder?
8. You visit your doctor because you have been feeling strange lately, uncoordinated, and clumsy. Your doctor tells you that there is damage to the sensory receptors in your major muscles. a) How concerned should you be? b) How is this likely to affect your movements and balance?
9. On a rainy Friday night, your good friend comes over to watch a movie while your parents are out having dinner. Hours before you expect them home, your parents walk in the door. Your dad looks uneasy. He explains that he has been dizzy most of the night. Your mom tells you in private that he vomited in the bathroom at the restaurant. Initially, you think that he has had too much to drink. In the morning, your father's symptoms haven't gone away. What is likely wrong with your dad? What evidence might support your diagnosis?
10. You discover that you have a condition called "Ataxia". Write a brief journal entry that describes the daily issues that you are facing from this condition. Be creative.