Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Noise, Ears and Hearing Protection – Reading Guide

1. One in \_\_\_\_\_\_\_\_\_\_\_\_\_ Americans has a hearing loss.

2. If you think you’ve grown used to a noise, has it damaged you ears?

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the middle ear help transfer sound to the inner ear.

4. What part of the ear vibrates?

5. What happens to nerve endings in the inner ear when you are exposed to a loud noise?

6. What two ways can sound be measured scientifically?

7. What units is frequency measured in?

8. Human speech has what frequency range?

9. What “word sounds” do hearing impaired-people have difficulty detecting?

10. The intensity of a sound is measured in what units?

11. You shouldn’t be exposed to 100 dB of sound for more than \_\_\_\_\_\_\_\_ hours a day without hearing protection.

12. Many experts agree that continual exposure to more than \_\_\_\_\_\_\_\_\_\_\_\_ decibels may become dangerous.

13. What two factors may be responsible for hearing loss in youngsters.

14. Ringing in the ears is also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

15. Approximately how many workers are exposed to an average of 85 dB or more during an 8-hour work day.

16. Hearing protection devices come in what 2 forms?

17. By how many decibels do ear plugs reduce noise?

18. By how many decibels do cotton balls reduce noise?

19. How do you perceive your voice when you use hearing protection?

20. You might not notice hearing loss because it is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.