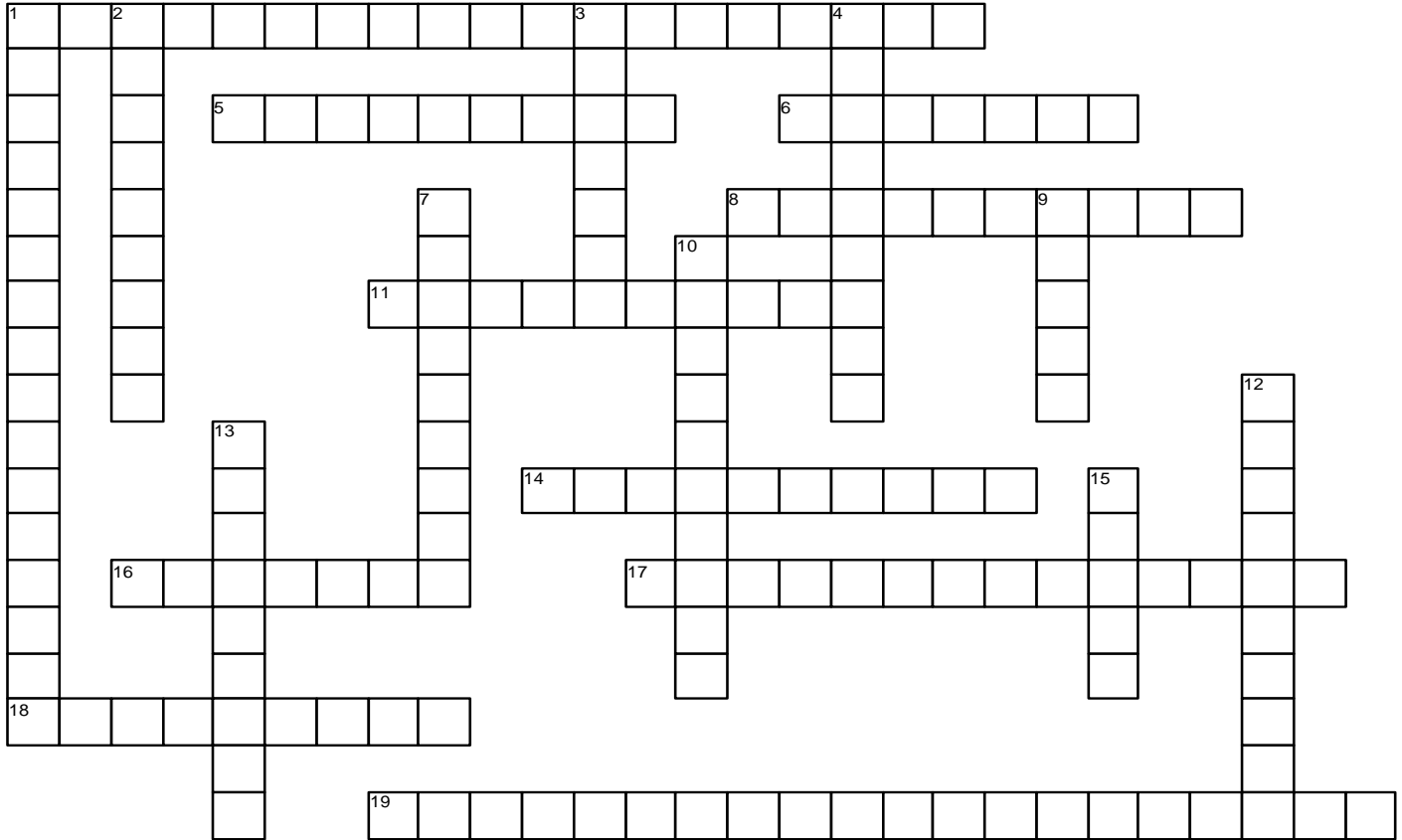# Audio System Operation And Diagnosis
Chapter 30

ACROSS

1 _____ modulation waves are radio waves that have amplitude that can be varied, transmitted, and detected by a receiver.

5 _____ is the number of times a particular waveform repeats itself in a given amount of time.

6 The purpose of any _____ is to reproduce the original sound as accurately as possible.

8 A _____ _____, which is a coil of wire, can also be used to reduce or eliminate radio interference.

11 _____ is the term used to describe when information is added to a constant frequency.

14 A _____ is the time and distance between two consecutive points, either high or low.

16 A _____ is a speaker designed to reproduce high-frequency sounds, usually between 4,000 and 20,000 Hz.

17 A ____-____ filter is used to transfer higher frequency to smaller speakers.

18 A _____ produces the lowest frequency of sounds, usually 125 Hz and lower.

19 Be careful when installing additional audio equipment on a GM vehicle system that uses a two-wire speaker connection called a _____ _____ system.

DOWN

1 _____ _____ use an external power source and produce superior performance.

2 A _____ capacitor provides electrical reserve energy needed by the amplifier to provide deep base notes.

3 A _____ is a measure of sound power, and it is the faintest sound a human can hear in the midband frequencies.

4 All speakers used on the same radio or amplifier should have the same internal coil resistance, called _____.

7 A _____ is designed to separate the frequency of a sound and send a certain frequency range, such as low bass sounds, to a woofer designed to reproduce these low-frequency sounds.

9 Frequency is measured in _____.

10 Another name for a powerline capacitor is _____ capacitor.

12 When a high-frequency signal is transmitted through a wire, the majority of it travels on the outside surface of the wire, his is called ____ _____.

13 The range of a typical _____ device is 33 feet.

15 _____ recognition allows the driver of a vehicle to perform tasks, such as locate an address in the navigation system by using _____ commands rather