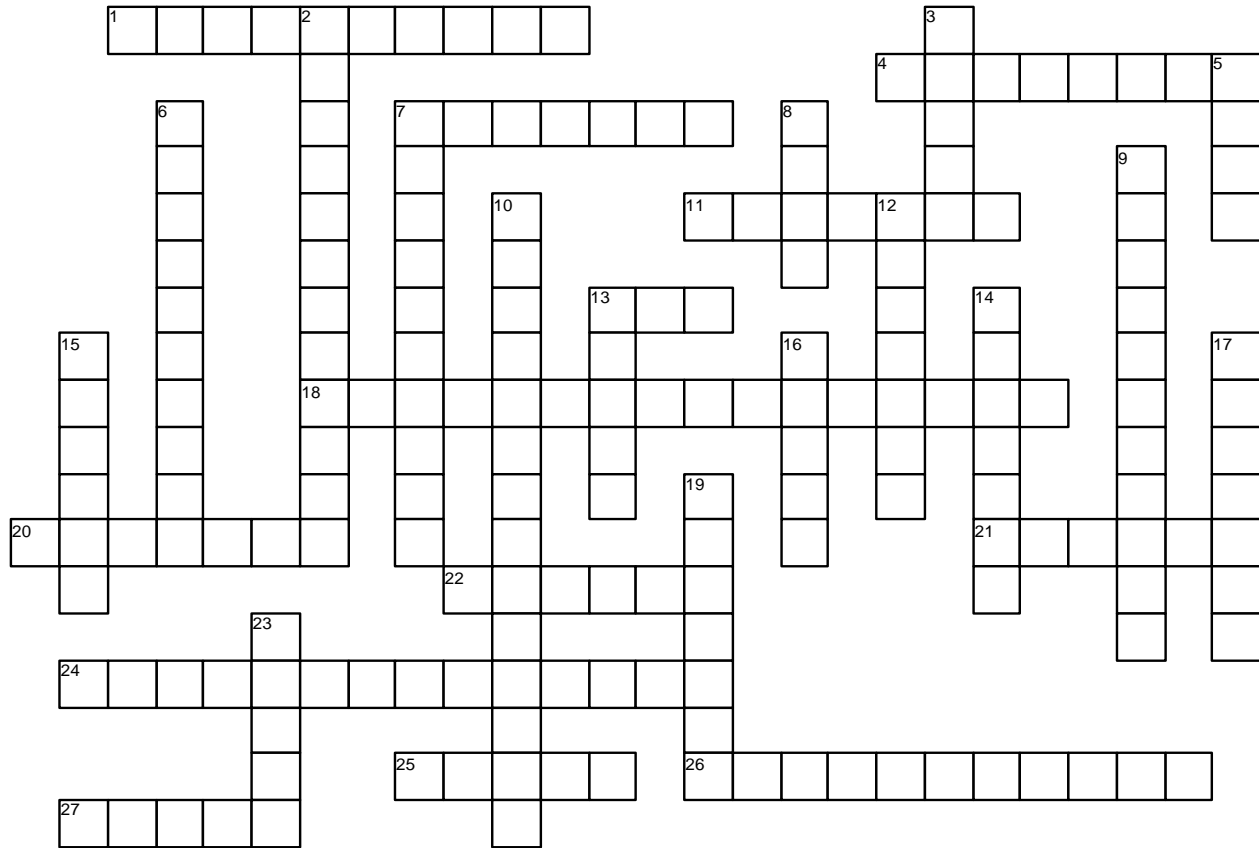


# Tools And Safety

## Chapter 2



<http://jameshalderman.com>

### ACROSS

- 1 Socket \_\_\_\_\_ are also used with sockets to allow access to fasteners in restricted locations.
- 4 \_\_\_\_\_ are used to grasp and rotate threaded fasteners.
- 7 Service technicians working under a vehicle should wear a \_\_\_\_\_ to protect the head against under-vehicle objects.
- 11 A \_\_\_\_\_ is a tool that turns the socket in only one direction and allows the rotating of the handle back and forth.
- 13 The abbreviation for personal protective equipment is \_\_\_\_.
- 18 There are four \_\_\_\_\_ classes that should be used on specific fires as designated.
- 20 \_\_\_\_\_ strength is the maximum stress used under tension (lengthwise force) without causing failure of a fastener.
- 21 A \_\_\_\_\_ fits over the fastener and grips the points and/or flats of the bolt or nut.
- 22 A set of \_\_\_\_\_ is capable of holding, twisting, bending, and cutting objects.
- 24 Coarse threads are called unified \_\_\_\_\_ (UNC).
- 25 Most \_\_\_\_\_ grinders are equipped with a grinder wheel (stone) on one end and a wire brush wheel on the other end.
- 26 Many smaller fasteners are removed and installed by using a \_\_\_\_\_.
- 27 \_\_\_\_\_ are used to smooth metal and are constructed of hardened steel with diagonal rows of teeth.

### DOWN

- 2 Fine threads are called unified \_\_\_\_\_ (UNF).
- 3 The strength or classification of a bolt is called the grade.
- 5 A \_\_\_\_\_ is a short rod with threads on both ends.
- 6 Sockets are available in various \_\_\_\_\_, including 1/4, 3/8, and 1/2 inch sizes.
- 7 The socket is rotated (driven) using either a long bar called a \_\_\_\_\_ or a ratchet.
- 8 \_\_\_\_\_ are the female part of a threaded fastener.
- 9 A \_\_\_\_\_ should be removed from its storage bag and thrown over and around the victim to smother the fire.
- 10 \_\_\_\_\_ are used with sockets to allow access to fasteners in restricted locations.
- 12 A \_\_\_\_\_ is used to cut metals, such as steel, aluminum, brass, or copper.
- 13 There are standard combinations of sizes and number of threads per inch called \_\_\_\_\_.
- 14 An \_\_\_\_\_ station should be centrally located and used whenever any liquid or chemical gets into the eyes.
- 15 A \_\_\_\_\_ has a straight, sharp cutting end that is used for cutting off rivets or to separate two pieces of an assembly.
- 16 A \_\_\_\_\_ is a small diameter steel rod that has a smaller diameter ground at one end.
- 17 A socket \_\_\_\_\_ allows the use of one size of socket and another drive size ratchet or breaker.
- 19 \_\_\_\_\_ are often used under cap screws and under nuts.
- 23 Most of the threaded fasteners used on a vehicle are \_\_\_\_\_.