Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

basic hand tools TEST

**Section A —** Match the tool with its name by placing the appropriate letter in the blank. All the illustrations will not be used.

**\_\_\_\_\_** 1. Ball peen hammer

**\_\_\_\_\_** 2. Breaker bar

**\_\_\_\_\_** 3. Center punch

**\_\_\_\_\_** 4. Cold chisel

**\_\_\_\_\_** 5. Combination-end

 wrench

**\_\_\_\_\_** 6. Locking pliers

**\_\_\_\_\_** 7. Open-end wrench

**\_\_\_\_\_** 8. Phillips

 screwdriver

**\_\_\_\_\_** 9. Pipe wrench

**\_\_\_\_\_** 10. Plastic-tip

 hammer

**\_\_\_\_\_** 11. Ratchet

**\_\_\_\_\_** 12. Snap-ring pliers

**\_\_\_\_\_** 13. Standard

 screwdriver

**\_\_\_\_\_** 14. Torque wrench

**A.** 

**B. **

**C. **

**D. **

**E. **

**AA. **

**AB. **

**AC. **

**AD. **

**AE. **

**BA. **

**BB. **

**BC. **

**BD. **

**BE. **

**CA. **

**Section B —** Select the best answer from the five choices listed.

**\_\_\_\_\_** 15. The unit of measurement used for metric wrench sizes is

 A. centimeters.

 B. millimeters.

 C. meters.

 D. inches.

 E. fractions of an inch.

**\_\_\_\_\_** 16. A type of wrench commonly used to turn nuts and bolts that have already been loosened is the

 A. open end.

 B. box.

 C. Allen.

 D. flare nut.

 E. torx.

**\_\_\_\_\_** 17. A type of wrench that completely encircles the nut or bolt is the

 A. open end.

 B. box.

 C. Allen.

 D. flare nut.

 E. adjustable.

**\_\_\_\_\_** 18. A type of wrench that is used to loosen steel line fittings is the

 A. torx.

 B. box.

 C. adjustable.

 D. tubing.

 E. Allen.

**\_\_\_\_\_** 19. A type of wrench that has a screw that allows the jaw to adjust to different sizes is the

 A. open end.

 B. box.

 C. combination.

 D. flare nut.

 E. adjustable.

**\_\_\_\_\_** 20. What type of socket is used to turn nuts when a long portion of the bolt or stud protrudes through the nut?

 A. Shallow

 B. Impact

 C. Swivel

 D. Deep well

 E. None of the above

**\_\_\_\_\_** 21. What type of wrench handle is required to measure the amount of twisting force that is being applied in tightening a bolt?

 A. Torque

 B. Ratchet

 C. Speed

 D. Breaker bar

 E. T-handle

**\_\_\_\_\_** 22. Which screwdriver is designed to be used as a chisel?

 A. Standard

 B. Phillips

 C. Torx

 D. All of the above

 E. None of the above

**\_\_\_\_\_** 23. Which pliers have a knob to clamp the handles in place?

 A. Slip joint

 B. Locking

 C. Adjustable joint

 D. Long nose

 E. Diagonal cutting

**\_\_\_\_\_** 24. Which pliers are used for cutting wire and tape?

 A. Slip joint

 B. Locking

 C. Adjustable joint

 D. Long nose

 E. Diagonal cutting

**\_\_\_\_\_** 25. The most common hammer used for driving punches and chisels is the

 A. sledgehammer.

 B. plastic tip.

 C. ball peen.

 D. rubber mallet.

 E. soft faced.

**\_\_\_\_\_** 26. Which hammer is best when a great deal of driving power is required?

 A. Sledgehammer

 B. Plastic tip

 C. Ball peen

 D. Rubber mallet

 E. Soft faced

**\_\_\_\_\_** 27. Which punch is used for marking drill holes prior to drilling?

 A. Starting

 B. Pin

 C. Center

 D. Brass

 E. None of the above

**Section C —** Read the following statements made by Technicians A and B. Indicate which is correct by selecting from the four choices listed.

**\_\_\_\_\_** 28. Technician A says the size of USCS wrenches is given in fractions of an inch.

 Technician B says it is okay to use a USCS wrench on a metric fastener if it is close in size.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

**\_\_\_\_\_** 29. Technician A says there is less chance of damaging a bolt when using a box wrench.

 Technician B says an adjustable wrench does not grip as solidly as a box wrench.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

**\_\_\_\_\_** 30. Technician A says universal sockets are used when straight-on access to bolts is not possible.

 Technician B says impact sockets are not as strong as standard sockets.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

**\_\_\_\_\_** 31. Technician A says a ratchet handle can turn both counterclockwise and clockwise by flipping a small switch on the tool.

 Technician B says the sockets used on socket wrenches are adjustable.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

**\_\_\_\_\_** 32. Technician A says a T-handle is used when extra leverage is required.

 Technician B says a torque wrench measures the twisting force that is being applied in tightening a bolt.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

**\_\_\_\_\_** 33. Technician A says a Pozidriv screwdriver and Phillips screwdriver are interchangeable.

 Technician B says a standard screwdriver also is designed to be used for a pry bar or gasket scraper.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

**\_\_\_\_\_** 34. Technician A says nut drivers are useful for quickly removing small nuts and bolts on vehicles.

 Technician B says the socket at the tip of nut drivers is not removable.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

**\_\_\_\_\_** 35. Technician A says locking pliers are required for spreading or compressing springy snap rings.

 Technician B says diagonal-cutting pliers will be damaged if used to cut spring steel.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

**\_\_\_\_\_** 36. Technician A says brass hammers can be used on iron and steel components because they do minimal damage.

 Technician B says a plastic-tip hammer is the most common hammer used to drive punches and chisels.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

**\_\_\_\_\_** 37. Technician A says a hammer with a handle that is a little loose is still safe to use.

 Technician B says a flat-surfaced hammer should only be struck at an angle to the surface being struck.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

\_\_\_\_\_ 38. Technician A says punches are used to cut or chip metal.

 Technician B says a taper punch is designed to drive out rivets after the rivet head has been removed.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

\_\_\_\_\_ 39. Technician A says a punch should be struck with a heavy hammer blow.

 Technician B says heavy gloves and safety glasses should be worn when working with punches and chisels.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.

\_\_\_\_\_ 40. Technician A says, if a punch or chisel has a mushroomed head, the mushroomed metal may fly off the tool.

 Technician B says, if a punch or chisel has a mushroomed head, the hammer slips off the head more easily.

 Who is correct? A. A only

 B. B only

 C. Both are correct.

 D. Neither is correct.