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

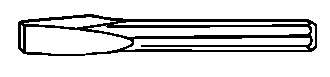
**\_\_\_\_\_** 11. Ratchet

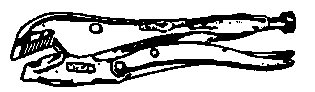
**\_\_\_\_\_** 12. Snap-ring pliers

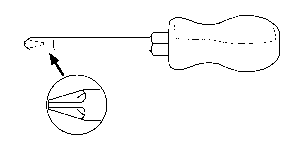
**\_\_\_\_\_** 13. Standard

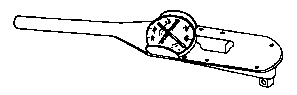
screwdriver

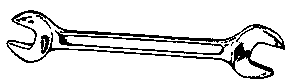
**\_\_\_\_\_** 14. Torque wrench

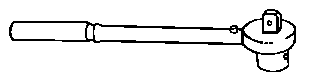
**A.** 

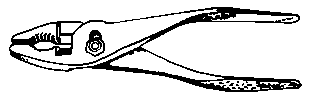
**B. **

**C. **

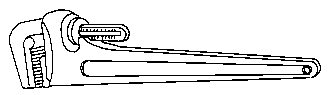
**D. **

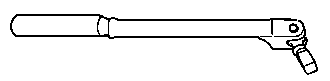
**E. **

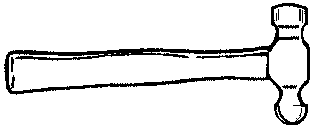
**AA. **

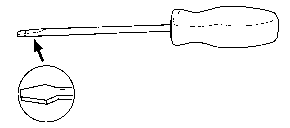
**AB. **

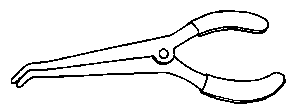
**AC. **

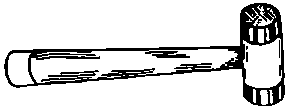
**AD. **

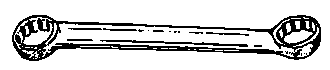
**AE. **

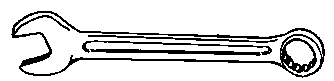
**BA. **

**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.