**Pennsylvania FFA AG Technology/Mechanical Systems CDE**

**Tools and Materials Identification Test -**

**Instructions:** Tools/Materials will be numbered 1‑30. The contestant is to write the appropriate number in the space to the left of the tool/material.

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

School \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_45° pipe elbow

\_\_\_\_\_\_\_\_90° pipe elbow

\_\_\_\_\_\_\_\_Abrasive chop saw

\_\_\_\_\_\_\_\_Adjustable wrench

\_\_\_\_\_\_\_\_Allen wrench

\_\_\_\_\_\_\_\_Angle grinder

\_\_\_\_\_\_\_\_Aviation snips

\_\_\_\_\_\_\_\_Ball peen hammer

\_\_\_\_\_\_\_\_Ball Peen Hammer

\_\_\_\_\_\_\_\_Ball valve

\_\_\_\_\_\_\_\_Bar clamp

\_\_\_\_\_\_\_\_Bent nose pliers

\_\_\_\_\_\_\_\_Bolt cutters

\_\_\_\_\_\_\_\_Brass Mallet

\_\_\_\_\_\_\_\_Breaker Bar

\_\_\_\_\_\_\_\_Brick jointer

\_\_\_\_\_\_\_\_Brick trowel

\_\_\_\_\_\_\_\_Bushing driver

\_\_\_\_\_\_\_\_C clamp

\_\_\_\_\_\_\_\_Cable Ripper

\_\_\_\_\_\_\_\_Carburetor Jet Tool

\_\_\_\_\_\_\_\_Carriage bolt

\_\_\_\_\_\_\_\_Cats Paw

\_\_\_\_\_\_\_\_Caulking gun

\_\_\_\_\_\_\_\_Center punch

\_\_\_\_\_\_\_\_Chalk line reel

\_\_\_\_\_\_\_\_Circuit breaker

\_\_\_\_\_\_\_\_Circuit Tester

\_\_\_\_\_\_\_\_Circular saw

\_\_\_\_\_\_\_\_Clinometer

\_\_\_\_\_\_\_\_Closed end wrench

\_\_\_\_\_\_\_\_Cold chisel

\_\_\_\_\_\_\_\_Combination square

\_\_\_\_\_\_\_\_Combination wrench

\_\_\_\_\_\_\_\_Common nail

\_\_\_\_\_\_\_\_Compass saw

\_\_\_\_\_\_\_\_Compression tester

\_\_\_\_\_\_\_\_Concrete finishing trowel

\_\_\_\_\_\_\_\_Concrete float

\_\_\_\_\_\_\_\_Concrete screw

\_\_\_\_\_\_\_\_Coping saw

\_\_\_\_\_\_\_\_Cordless drill

\_\_\_\_\_\_\_\_Countersink

\_\_\_\_\_\_\_\_Crows foot wrench

\_\_\_\_\_\_\_\_Cutting torch

\_\_\_\_\_\_\_\_Cylinder Hone

\_\_\_\_\_\_\_\_Deep-well socket

\_\_\_\_\_\_\_\_Dial caliper

\_\_\_\_\_\_\_\_Dial Indicator

\_\_\_\_\_\_\_\_Die

\_\_\_\_\_\_\_\_Digital Tachometer

\_\_\_\_\_\_\_\_Drift punch

\_\_\_\_\_\_\_\_Drill bit

\_\_\_\_\_\_\_\_Drill press vise

\_\_\_\_\_\_\_\_Duplex receptacle

\_\_\_\_\_\_\_\_Ear Plugs

\_\_\_\_\_\_\_\_Earmuffs

\_\_\_\_\_\_\_\_Electrical multimeter

\_\_\_\_\_\_\_\_Electrical pliers

\_\_\_\_\_\_\_\_Eye bolt

\_\_\_\_\_\_\_\_Face shield

\_\_\_\_\_\_\_\_Fence pliers

\_\_\_\_\_\_\_\_Fence staple

\_\_\_\_\_\_\_\_Finishing nail

\_\_\_\_\_\_\_\_Fish Tape

\_\_\_\_\_\_\_\_Flaring tool
\_\_\_\_\_\_\_\_Flat Blade feeler gauge

\_\_\_\_\_\_\_\_Flathead Screwdriver

\_\_\_\_\_\_\_\_Flathead wood screw

\_\_\_\_\_\_\_\_Flux

\_\_\_\_\_\_\_\_Flywheel Holder

\_\_\_\_\_\_\_\_Flywheel Puller

\_\_\_\_\_\_\_\_Forester Bit

\_\_\_\_\_\_\_\_Framing Hammer

\_\_\_\_\_\_\_\_Framing square

\_\_\_\_\_\_\_\_Fuse puller

\_\_\_\_\_\_\_\_Gasket scraper

\_\_\_\_\_\_\_\_Gate valve

\_\_\_\_\_\_\_\_Gate Valve

\_\_\_\_\_\_\_\_Glass cutter

\_\_\_\_\_\_\_\_Globe Valve

\_\_\_\_\_\_\_\_Grease gun

\_\_\_\_\_\_\_\_Ground Clip

\_\_\_\_\_\_\_\_Ground fault circuit interrupter Duplex

\_\_\_\_\_\_\_\_Ground Screw

\_\_\_\_\_\_\_\_Hacksaw

\_\_\_\_\_\_\_\_Half round file

\_\_\_\_\_\_\_\_Hammer drill

\_\_\_\_\_\_\_\_Hose bib

\_\_\_\_\_\_\_\_Impact Socket

\_\_\_\_\_\_\_\_Impact wrench

\_\_\_\_\_\_\_\_Jig saw

\_\_\_\_\_\_\_\_Junction box

\_\_\_\_\_\_\_\_Lag screw

\_\_\_\_\_\_\_\_Leak-Down Tester

\_\_\_\_\_\_\_\_Level

\_\_\_\_\_\_\_\_Lineman’s pliers

\_\_\_\_\_\_\_\_Machine bolt

\_\_\_\_\_\_\_\_Machinist's vise

\_\_\_\_\_\_\_\_Mason hammer

\_\_\_\_\_\_\_\_Mason level

\_\_\_\_\_\_\_\_Masonry bit

\_\_\_\_\_\_\_\_Masonry nail

\_\_\_\_\_\_\_\_Micrometer

\_\_\_\_\_\_\_\_Mill file / flat file

\_\_\_\_\_\_\_\_Miter saw

\_\_\_\_\_\_\_\_Nail gun

\_\_\_\_\_\_\_\_Nail set

\_\_\_\_\_\_\_\_Needle nosed plier

\_\_\_\_\_\_\_\_Nut driver

\_\_\_\_\_\_\_\_Oil filter wrench

\_\_\_\_\_\_\_\_Open end wrench

\_\_\_\_\_\_\_\_Palm Sander

\_\_\_\_\_\_\_\_Pex crimp tool

\_\_\_\_\_\_\_\_Pex fitting

\_\_\_\_\_\_\_\_Pex pinch crimp ring

\_\_\_\_\_\_\_\_Phillips screwdriver

\_\_\_\_\_\_\_\_Pick

\_\_\_\_\_\_\_\_Pin punch

\_\_\_\_\_\_\_\_Pipe cap

\_\_\_\_\_\_\_\_Pipe nipple

\_\_\_\_\_\_\_\_Pipe plug

\_\_\_\_\_\_\_\_Pipe reducer

\_\_\_\_\_\_\_\_Pipe tee

\_\_\_\_\_\_\_\_Pipe union

\_\_\_\_\_\_\_\_Pipe wrench

\_\_\_\_\_\_\_\_Piston ring compressor

\_\_\_\_\_\_\_\_Piston ring expander

\_\_\_\_\_\_\_\_Plastigage

\_\_\_\_\_\_\_\_Plumb bob

\_\_\_\_\_\_\_\_Pry Bar

\_\_\_\_\_\_\_\_Putty knife

\_\_\_\_\_\_\_\_PVC Glue

\_\_\_\_\_\_\_\_PVC Primer

\_\_\_\_\_\_\_\_Ratchet

\_\_\_\_\_\_\_\_Reciprocating saw

\_\_\_\_\_\_\_\_Respirator

\_\_\_\_\_\_\_\_Romex Clamp

\_\_\_\_\_\_\_\_Roofing nail

\_\_\_\_\_\_\_\_Rotary tool

\_\_\_\_\_\_\_\_Round file

\_\_\_\_\_\_\_\_Round wire feeler gauge

\_\_\_\_\_\_\_\_Router

\_\_\_\_\_\_\_\_Rubber mallet

\_\_\_\_\_\_\_\_Safety glasses

\_\_\_\_\_\_\_\_Safety goggles

\_\_\_\_\_\_\_\_Screw/Bolt extractor

\_\_\_\_\_\_\_\_Scribe

\_\_\_\_\_\_\_\_Shears

\_\_\_\_\_\_\_\_Sheet metal screw

\_\_\_\_\_\_\_\_Side cutting pliers

\_\_\_\_\_\_\_\_Single gang box

\_\_\_\_\_\_\_\_Single pole switch

\_\_\_\_\_\_\_\_Slag Hammer

\_\_\_\_\_\_\_\_Sledgehammer

\_\_\_\_\_\_\_\_Sliding T Bevel

\_\_\_\_\_\_\_\_Slip joint pliers

\_\_\_\_\_\_\_\_Snap ring pliers

\_\_\_\_\_\_\_\_Socket

\_\_\_\_\_\_\_\_Socket extension

\_\_\_\_\_\_\_\_Socket Swivel

\_\_\_\_\_\_\_\_Socket/Ratchet Adapter

\_\_\_\_\_\_\_\_Solder

\_\_\_\_\_\_\_\_Soldering gun

\_\_\_\_\_\_\_\_Spade drill bit

\_\_\_\_\_\_\_\_Spark plug gauge

\_\_\_\_\_\_\_\_Spark plug socket

\_\_\_\_\_\_\_\_Spark tester

\_\_\_\_\_\_\_\_Spark Tester

\_\_\_\_\_\_\_\_Speed square

\_\_\_\_\_\_\_\_Tap

\_\_\_\_\_\_\_\_Tape measure

\_\_\_\_\_\_\_\_Teflon Tape

\_\_\_\_\_\_\_\_Telescoping gauge

\_\_\_\_\_\_\_\_Thickness gauge

\_\_\_\_\_\_\_\_Thread Pitch Gauge

\_\_\_\_\_\_\_\_Three Jawed Puller

\_\_\_\_\_\_\_\_Three-way switch

\_\_\_\_\_\_\_\_Tire Air chuck

\_\_\_\_\_\_\_\_Tire Depth gauge

\_\_\_\_\_\_\_\_Toggle bolt

\_\_\_\_\_\_\_\_Torch lighter

\_\_\_\_\_\_\_\_Torch Tip Cleaner

\_\_\_\_\_\_\_\_Torque wrench

\_\_\_\_\_\_\_\_Torx Bit/screwdriver

\_\_\_\_\_\_\_\_Triangular file

\_\_\_\_\_\_\_\_Tubing cutter
\_\_\_\_\_\_\_\_Valve lapping tool

\_\_\_\_\_\_\_\_Utility Knife

\_\_\_\_\_\_\_\_Valve spring compressor

\_\_\_\_\_\_\_\_Vise grip pliers

\_\_\_\_\_\_\_\_Voltage Tester

\_\_\_\_\_\_\_\_Welding gloves

\_\_\_\_\_\_\_\_Welding goggles

\_\_\_\_\_\_\_\_Welding helmet

\_\_\_\_\_\_\_\_Welding pliers

\_\_\_\_\_\_\_\_Welding torch

\_\_\_\_\_\_\_\_Wing Nut

\_\_\_\_\_\_\_\_Wire brush

\_\_\_\_\_\_\_\_Wire nut

\_\_\_\_\_\_\_\_Wire strippers

\_\_\_\_\_\_\_\_Wood mallet

\_\_\_\_\_\_\_\_Wrecking bar

\_\_\_\_\_\_\_Wood chisel

\_\_\_\_\_\_\_\_Tool not on list