Name: Date:

Threaded Fasteners

1. What is a Fastener?
2. Define USC.
3. What are the two basic group of fasteners?
4. What are the three things you must do for fastener sizing and torqueing?
5. List two types of bolts
6. Studs not have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_both ends?
7. What are three functions of washers?
8. Draw a castle nut
9. What does a spring lock look like (draw)
10. How is the bolt size determined?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Diameter, bolt\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and Threads per\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
11. What does TPI stand for?
12. What is the difference when measuring English vs Metric threads?
    1. English-
    2. Metric-
13. Define NC & NF
14. What is the screw pitch gauge and thread pitch gauge used for?
15. What is the Machinist’s rule used for?

1. Define SAE.
2. What is tensile strength?
3. What is the marking on the head of a grade 5 bolt (draw)?
4. When should fasteners be the same weight?
5. What are three things you need to know about Fastener Torque?
6. Name four thread repair tools.
7. Dies are used to \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. Taper Tapes must\_\_\_\_\_\_\_\_\_\_\_through \_\_\_\_\_\_\_\_\_\_\_\_\_\_to work.
9. Define Helicoil
10. How do you remove a stuck fastener?
11. Snap Rings can be\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_or\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
12. Replacement wire must be at least as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_as the wire being repaired.
13. What is the best method to repair wires?
14. \_\_\_\_\_\_\_\_\_\_\_\_Connects two wires together butt may\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_resistance.
15. What does a technician put on threads to make disassembly of nuts and bolts easier?
16. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_will help keep nuts and bolts from\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Loose.