

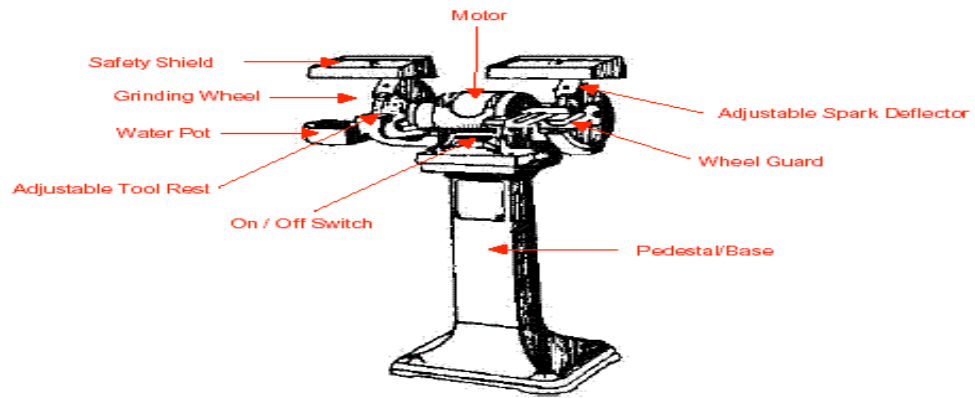
## ***Grinder Notes***

### **Requirements:**

Proper eye protection must be worn—operate only with instructor's permission and after proper instructions have been received.

1. With this machine you must wear proper eye protection, a face shield, pass ALL tests with 100 percent, and have your teacher's permission to operate it.
2. Set the tool rest and spark deflector so that they are 1/16 inch to 1/8 inch away from the wheel.
3. Hold work firmly and securely with both hands. Remember that small pieces require special set-ups.
4. Never stand directly in front of the grinding wheel. Stand to the side when you start this machine.
5. Grind using only the face of the wheel, never use the sides.
6. Press material against the wheel with just enough pressure that you cause a steady, even removal of metal. This will happen with practice; do not become discouraged on your first try.
7. Again, move stock slowly and evenly across the face of the wheel, not the sides.
8. Never leave the machine until the grinding wheels have come to a complete stop, even if someone will be using it right after you do.
9. Grinder must be secured to prevent tipping.

## Grinder Parts



## **Grinder Written Test**

Use the correct heading and write the answers on your own paper. Use the BEST answer to complete the following:

1. With this machine you must wear proper eye protection, a \_\_\_\_\_, pass ALL tests with 100 percent, and have your teacher's permission to operate it.
2. Set tool rest and spark deflector so that they are ( 1/8 inch  1/4 inch  1/2 inch) away from the wheel.
3. Hold work firmly and securely with ( One  both) hand(s).
4. Remember that small pieces ( Will  Will not) require special set-ups.
5. You should stand ( Directly in front of  To the side) when you start this machine.
6. Grind using the ( Face  Sides) of the wheel.
7. Press material against the wheel with ( A lot of  Just enough) pressure so that you cause a steady and even removal of metal.
8. Again, move stock slowly and evenly across the ( Face  Sides) of the wheel.
9. You can leave the machine when the grinding wheels have come to a ( Half  Full) stop.

List five SAFETY procedures you should do before you operate this or any machine:

10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_