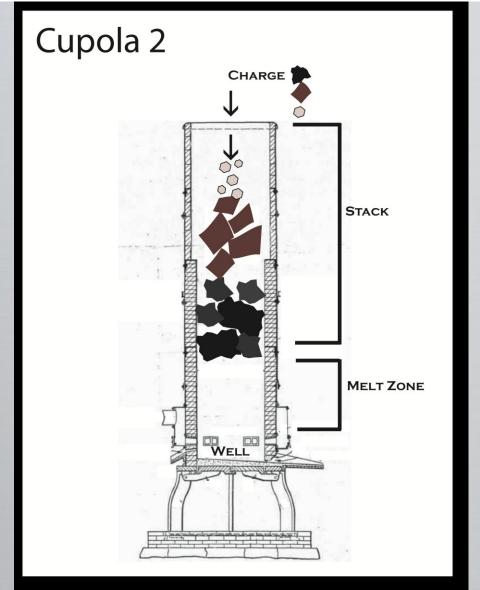
- Charge the metal and fuel put into the furnace. A charge is made up of coke, iron, and limestone.
- Stack where the charges sit until they reach the melt zone.

# Parts of a Cupola Furnace



- Melt Zone- the area in the furnace where the cold iron melts.
  - Cast iron melts at about 2,700 degrees
    Fahrenheit.
- Well where the molten iron pools until the furnace is ready to be tapped.

- Wind Belt distributes air evenly from blower to all tuyeres.
- <u>Tuyeres</u> openings in the furnace that allow blast air to enter furnace

- Slag Hole hole in the back side of the furnace where impurities are removed from the metal.
- <u>Tap Hole</u> hole in the front side of the furnace where the molten iron is removed.



