Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_ Ast: \_\_\_\_\_

**100 Greatest Discoveries: Chemistry**

<https://www.youtube.com/watch?v=17v53fmqIBM>

1. What inventor/artist/philosopher was the first to suggest that the Greek element “air” was actually made of multiple gases? (~2:10)
2. What element was “discovered” by Priestley but “invented” by Lavoisier? (~5:40)
3. Who discovered the relative weights of “ultimate particles”, now known as “atomic weight”? (~7:05)
4. What did Kekulé dream about to help him visualize the ring of carbon and hydrogen atoms that form a benzene molecule? (~13:35)
5. A German chemist named, Meyer, had come up with the same idea of “periodicity” as Mendeleev. Why has Mendeleev gotten most of the credit for the development of the periodic table? (~17:00)
6. What did Davy use to break down potash into its component elements (to “transform” chemicals)? (~20:10)

1. What color is emitted by strontium in a flame? (~21:30)
2. What did Bunsen and Kirchhoff discover with their spectroscope? (~22:40)
3. How did Lewis explain the bonding of certain elements? (~28:05)
4. What do historians believe killed Marie Curie? (~31:50)