

Name _____

The World of Chemistry

Date _____

Episode 1 - The World of Chemistry

1. The science of molecules and their transformations is known as _____ .
2. Give several examples cited in the film where chemistry is involved in the real world.
3. The introduction of the lithium battery was important to what medical advance?
4. Why is it important to study the molecular structures and chemistry of living systems?
5. The mass of the materials coming out of a factory must be equal to what?
6. In addition to making new materials, chemists are also interested in what?
7. What famous chemist discovered the polypeptide structure known as the alpha helix?
8. Today's powerful microscopes are able to see individual _____.
9. What tool do scientists often use to study sub-microscopic structures?
10. What common compound is formed from sodium metal and chlorine gas?
11. What common compound is made by reacting salicylic acid with ethyl acetate?