

GENERAL CHEMISTRY

STANDARD 5.5

5.5: Identify and describe the metallic properties of conductivity, malleability, ductility, and luster

DEFINITIONS

- **Conductivity:** A substance's ability to conduct electricity
 - Metallic compounds have high conductivity due to the free flowing electrons
- **Malleability:** A substance's ability to be hammered or pressed permanently out of shape without breaking or cracking
 - Metallic substances are very malleable
- **Ductility:** A substance's ability to be drawn into a thin wire
 - Metallic substances are very ductile
- **Luster:** The shine that the surface of a substance has
 - Metallic substances often have a high luster and are very shiny