

## KEY WORDS AND CONCEPTS DISCUSSED PRIOR TO FIRST EXAM

Gem  
Mineral  
Crystal  
Gemstone  
Cabachon  
Facet  
Brilliant cut  
Step Cut  
Crown  
Pavilion  
Table  
Culet  
Girdle  
Luster  
Habit  
Brilliance  
Hardness  
Toughness (Tenacity)  
Cleavage  
Fracture  
Conchoidal fracture  
Parting (false cleavage)  
Mohs Scale of Hardness  
Specific Gravity  
Carat  
Heavy Liquid  
Idiochromatic  
Allochromatic  
Light  
Visible spectrum  
Wave theory  
Wavelength  
Angstrom  
Color  
Chromophore  
Periodic Table  
Transition metals  
d-orbitals  
Absorption of light  
Emission of light  
Color centers  
Fluorescence  
Phosphorescence  
Phenomena  
Asterism  
Chatoyancy  
Cats Eye  
Aventurescence  
Play-of-Color  
Labradorescence  
Diffraction  
Sunstone  
Aventurescence  
Tiger eye  
Crystal face  
Open Forms  
Prism  
Pinacoid  
Pyramid  
Closed Forms  
Octahedron  
Tetrahedron  
Rhombohedron  
Dodecohedron  
Crystal System  
a, b, c crystallographic axes  
Isometric System  
Tetragonal System  
Hexagonal System  
Orthorhombic System  
Monoclinic System  
Triclinic System  
Symmetry Operators  
Mirror Plane  
Rotation Axis  
Center of Symmetry