

- **The Moon is lifeless; it contains no living organisms, fossils, or native organic compounds.** Extensive testing revealed no evidence for life, past or present, among the lunar samples. Even non-biological organic compounds are amazingly absent; traces can be attributed to contamination by meteorites.
- **All Moon rocks originated through high-temperature processes with little or no involvement with water.** They are roughly divisible into three types: basalts, anorthosites, and breccias. Basalts are dark lava rocks that fill mare basins; they generally resemble, but are much older than, lavas that comprise the oceanic crust of Earth. Anorthosites are light rocks that form the ancient highlands; they generally resemble, but are much older than, the most ancient rocks on Earth. Breccia are composite rocks formed from all other rock types through crushing, mixing, and sintering during meteorite impacts. The Moon has no sandstones, shales, or limestones such as those that testify to the importance of water-borne processes on Earth.