

Bioceramics: Your body's building blocks

BONE REPAIR—hydroxyapatite is a hard mineral with calcium, phosphates, and vitamin C that helps stop our bones breaking and helps them repair after injury.

TOOTH PROSTHETICS—bioactive glasses with bits of calcium, phosphate, silicon, and sodium that makes bones grow and bond with it.

JOINT REPLACEMENT—High density aluminum oxide that is wear resistant to the body's fluid and has little friction, making the joint move smoothly.

KEY FEATURES OF BIOCERAMICS:

BIOCOMPATIBLE: Can be safely placed in the body to replace bones or teeth without the body rejecting it

RESORBABILITY: Can dissolve in the body without poisoning it

BIOACTIVITY: Real bones can grow into it and bond

For more information visit ceramics.org/ceramics-are-cool

Created by:



President's Council of Student Advisors

CERAMIC AND GLASS INDUSTRY
FOUNDATION