

# 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](http://ceramics.org/ceramics-are-cool)

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