

Historical Milestones in Materials Science

Materials Science · Answer Key · 3 Questions

1. Which two primary elements are alloyed to create bronze, a material that significantly impacted early human civilization and marked a distinct technological age?

A) Iron and Carbon

B) Copper and Tin

C) Aluminum and Silicon

D) Lead and Zinc

2. What significant technological advancement allowed early civilizations to transition from the Bronze Age to the Iron Age, requiring new methods for metal extraction?

A) Discovery of aluminum ore

B) Development of the Bessemer process

C) Ability to achieve higher temperatures for iron smelting

D) Invention of the printing press

3. Which ancient civilization is renowned for its advanced use of a durable concrete mixture, often incorporating volcanic ash (pozzolana), for monumental structures and underwater constructions?

A) Egyptian

B) Greek

C) Roman

D) Mesopotamian