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THE COPPER CARBONATE AZURITE IS ONE OF THOUSANDS OF MINERAL SPECIES THAT FIRST APPEARED AFTER EARTH'S GREAT OXIDATION EVENT (~2.4 GA). AZURITE IS THUS A BIOMARKER; SPECIMENS LIKE THIS 4.6 CM CRYSTAL GROUP FROM TOUJSSIT, OUDJA, MOROCCO, ARE UNLIKELY TO BE FOUND ON NONLIVING WORLDS.