

Block

Notation : \mathbb{B}

Description : A block is made up of 17 different elements, all of which play a unique role in the Blockchain. The first 15 elements that make up the block are part of what is called the *block header*.

1. **Parent Hash:** The hash of the parent block's header: given in Keccak-256.
2. **Ommers Hash:** The hash of the *Ommers List* portion of this block: given in Keccak-256.
3. **Beneficiary:** The 20-character (160-bit) hash to which block rewards are transferred when the block is successfully mined.
4. **State Root:** The Keccak-256 bit hash of the root node of the state