Block header

(go-ethereum version 1.8)

[core/types/block.go] - FIXME: update reference slide to geth 1.9+

```
Block header
type Header struct {
                                      `json:"parentHash"
                                                                 gencodec:"required"`
         ParentHash
                      common. Hash
                                                                                  ed"`
                                      `json:"sha3Uncles"
         UncleHash
                      common.Hash
                                                                   Root of State
                                      `json:"miner"
                                                                 <del>gencouec. requir</del>ed"`
         Coinbase
                      common.Address
                                      `json:"stateRoot"
                                                                 gencodec:"required"`
         Root
                      common.Hash
                                      `json:"transactionsRoot"
                                                                 gencodec:"required"`
         TxHash
                      common. Hash
                                                                                  ed"`
         ReceiptHash common.Hash
                                      `json:"receiptsRoot"
                                                                 Root of Transaction
                                      `json:"logsBloom"
         Bloom
                      Bloom
                                      `json:"difficulty"
                                                                 gencodec:"required"`
         Difficulty
                      *big.Int
                                      `json:"number"
                                                                 gencodec:"required"`
                      *big.Int
         Number
                                      `json:"gasLimit"
                                                                 gencodec:"required"`
         GasLimit
                      uint64
                                      `json:"gasUsed"
                                                                 gencodec:"required"`
         GasUsed
                      uint64
                                      `json:"timestamp"
                                                                 gencodec:"required"`
                      *big.Int
         Time
                                      `json:"extraData"
                                                                 gencodec:"required"`
                      []byte
         Extra
                                                                 gencodec:"required"`
                                      `json:"mixHash"
        MixDigest
                      common.Hash
                      BlockNonce
                                      `json:"nonce"
                                                                 gencodec:"required"`
         Nonce
}
```

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[core/types/transaction.go]

```
Transaction
type txdata struct {
   AccountNonce uint64
                                   json:"nonce"
                                                    gencodec:"required"`
                                   json:"gasPrice" aencodec:"reduired"`
                 *big.Int
   Price
                                                                      ed"`
                                   json:"gas"
                                                       to address
   GasLimit
                 uint64
                                   ison:"to"
                 *common_Address
   Recipient
                                                     rup:"niu"
                                                        // nil means contract
creation
                 *big.Int
                                  `json:"value"
   Amount
                                                        value (Wei)
                                  `json:"input"
                                                    <del>geneouce: réquire</del>d"`
   Payload
                 []byte
                                                     input data
   // Signature values
   V *big.Int `json:"v" gencodec:"required"`
   R *big.Int `json:"r" gencodec:"required"`
   S *big.Int `json:"s" gencodec:"required"`
   // This is only used when marshaling to JSON.
   Hash *common.Hash `json:"hash" rlp:"-"`
}
```