Symmetric key encryption

-same key

-encrypt and decrypt with same key

-no order just same key

Transposition Cipher

-regular number to jumbled number = same amount of number

123456 -> 234156 (this is a key) (different key)

-different key thru number

-cipher is read row by row (horizontal)

Substitution Cipher

-plain text replace by ciphertext

-fixed system

-Caesar Cipher

Ex ROT13, each letter rotate 13 times A will be N

Stream Cipher

-encrypt one letter at the time

-same key with a pseudorandom number generator

-with bits

Block Cipher

-encrypts whole block at the same time (whole block text)

-like stream cipher but instead of one letter it’s the whole text

Asymmetric Key Cryptography

-encrypt with public key, decrypt with private key on the receiver end