public key: (N,e)
secret key: (N,d)
Encrypt: $\mathbf{c} \leftarrow \mathbf{m}^{\mathbf{e}}$ (in Z_N)
Decrypt: $\mathbf{c}^{\mathbf{d}} \rightarrow \mathbf{m}$

Textbook RSA encryption:

Insecure cryptosystem!!

→ The RSA trapdoor permutation is not an encryption scheme!

Is not semantically secure and many attacks exist