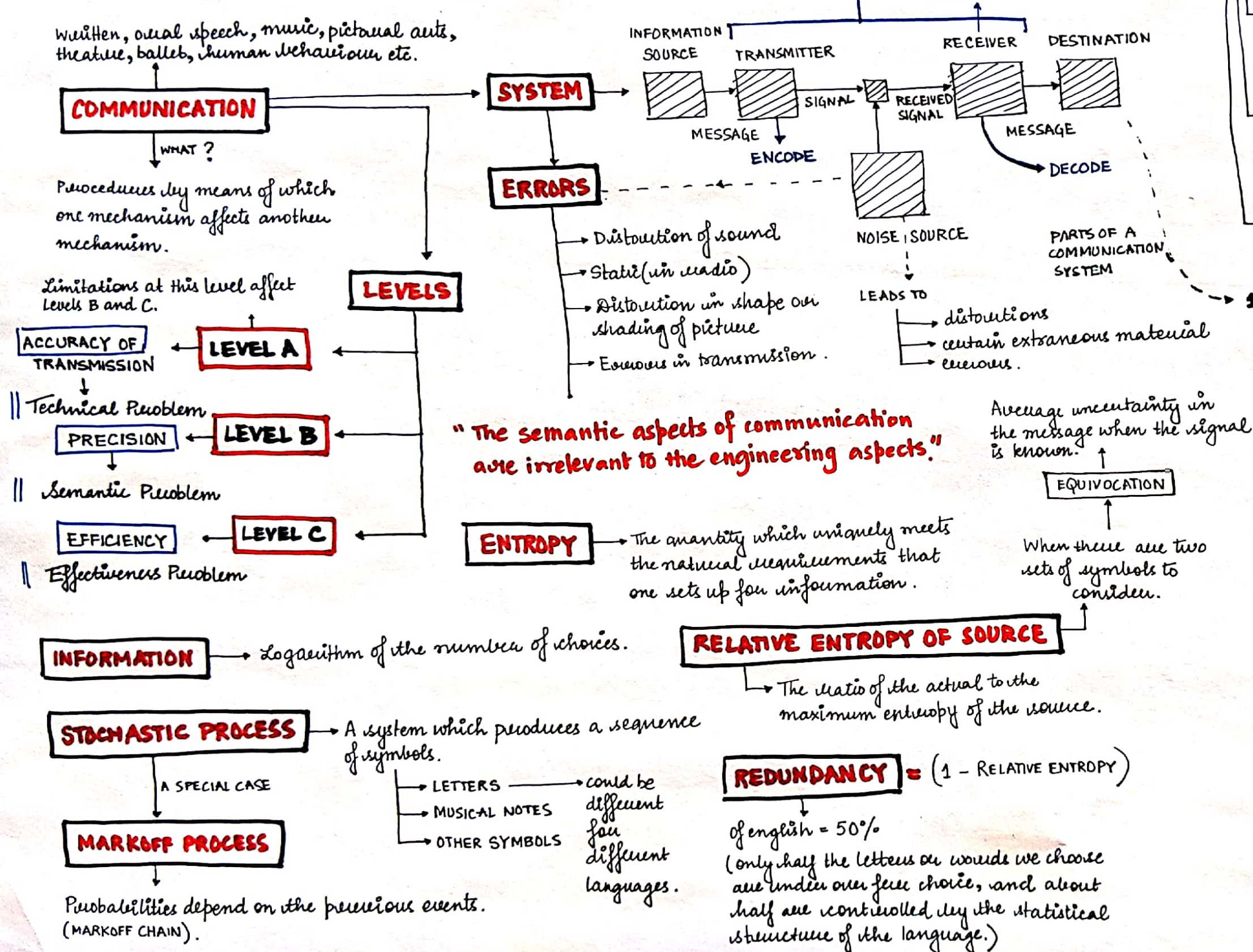


THE MATHEMATICAL THEORY OF COMMUNICATION

(SHANNON & WEAVER)



CAPACITY OF A COMMUNICATION CHANNEL

Described in terms of the information it transmits.

INTERRELATION OF THE THREE LEVELS OF COMMUNICATION PROBLEMS.

- The theory is so general one does not need to say what kinds of symbols are being considered.
- The theory is deep enough so that the relationships it reveals indiscriminately apply to all forms of communication.
- The theory is sufficiently imaginative.

1. INFORMATION SOURCE

Produces a message or a sequence of messages to be communicated to the receiving terminal.

2. TRANSMITTER

Operates on the message to produce a signal suitable for transmission over the channel.

3. CHANNEL

The medium used to transmit the signal from transmitter to receiver.

4. RECEIVER

Reconstructs the message from the signal.

5. DESTINATION

The person (or thing) for whom the message is meant.