

SEXUAL REPRODUCTION

Phase of sex life cycle

Juvenile phase

pre-Reproductive phase

Reproductive phase

Senscent's phase

die

Monocarpic

Only once in their life cycle flowering fruit and die

Annual

→ Wheat Rice
Marigold

Biennial

eg- Radish
Carrot

Polycarpic

(Perennial → life cycle more than two years)

Fusion of two gametes
Male and female

Slow process

Complex, elaborate

Multiple

Uniparental

Biparental - Mostly

SEXUALITY OF ORGANISMS

Lower organism

/ Thallophyta, Bryophytes, Pteridophytes
= two gamete fusion
Morphologically similar

Homothallic

(Homothalium)

two gametes genetically similar fusion -

eg - Mucor Mucedo
(Phycomycetes)
Fungi

Heterothallic

Heterothalium

two genetically not similar
eg
→ Mucor
→ Rhizopus (Bread mould)
→ Puccinia (Wheat Rust)

Stamen
↑
Male sex organ

Unisexual

only stamen

Staminate

only carpel / pistil / pistillate

Higher organism

Bisexual

Both male and female
eg - ching Rose

SEXUALITY OF LOWER/HIGHER ORGANISM

