

3/17/2008

Aim: How do plants repro asexually?

DN Name of Mono DI angiosperm

ASEXUAL REPRODUCTION: "Vegetative Propagation"
MECHANISM

MODE

see H10
Mention H10
(5)

CUTTINGS ~~STEM~~

EXONION

Stem nodes (NOT petiole) + H₂O

BULBS

roots / underground stems

RUNNERS

Special stems

GRAFTS ~~STEM~~

Scion (top) + stock (bot)

LAYERS

underground "cutting" - needs node plant

TISSUE CULTURE ~~STEM~~

cloning from viable cells

RHIZOME / Corm

underground stem

TUBER (POTATO)

u/a ^{food} storage and bud

ADD cutting, grafting, tissue culture

ANATOMY MODIFIED

SPECIAL ROOTS

Mention source → SINK

(13) where to find

rhizoids - photosynthetic roots

carrot, potato - food storage

MODIFIED

SPECIAL STEMS

runners - asex repro

rhizome - carb storage

thorns - protection

use these and modify stems

tendrils - anchoring
fleshy stem/succulent - up synth + H₂O store

for this
No mark because

MODIFIED LEAVES

present thick leaf cuticle on thin spine
poor soil (no N) - predatory leaves - flying
reproductive: flower/sepal
petal

mark these