

B) tube breaks into embryo sac at ovule
→ one sperm fertilizes egg, and one sperm forms the triploid endosperm

* This is called double fertilization + forms seed leaves or cotyledons for dual embryo

Mon 4/27/09

Neonatal (A)

10 SEED DEVELOPMENT:

1) fertilized ovule + embryo sac develop into seed

2) cotyledons nourish developing embryo

- epicotyl = pre-shoot

- hypocotyl = pre-stem

- ovary wall develops into fruit (TOWLE 635)

AUD 505

11 SEED GERMINATION:

- seeds disperse by: ^(EX) Shovel, ^(EX) Catapults, ^(EX) Wind, ^(EX) Shotgun, ^(EX) Water, ^(EX) feces, and animal vectors.

* seed coats need drying, cold + disruption to grow (germination) FREEZE (THAW)

- germination is triggered by the presence of water, which turns on enzymes that break down carbs in cotyledons + help the shoot grow.

~~FROM FROM~~

Chlorophyll

PS II

5/21/09