



Lifecycles

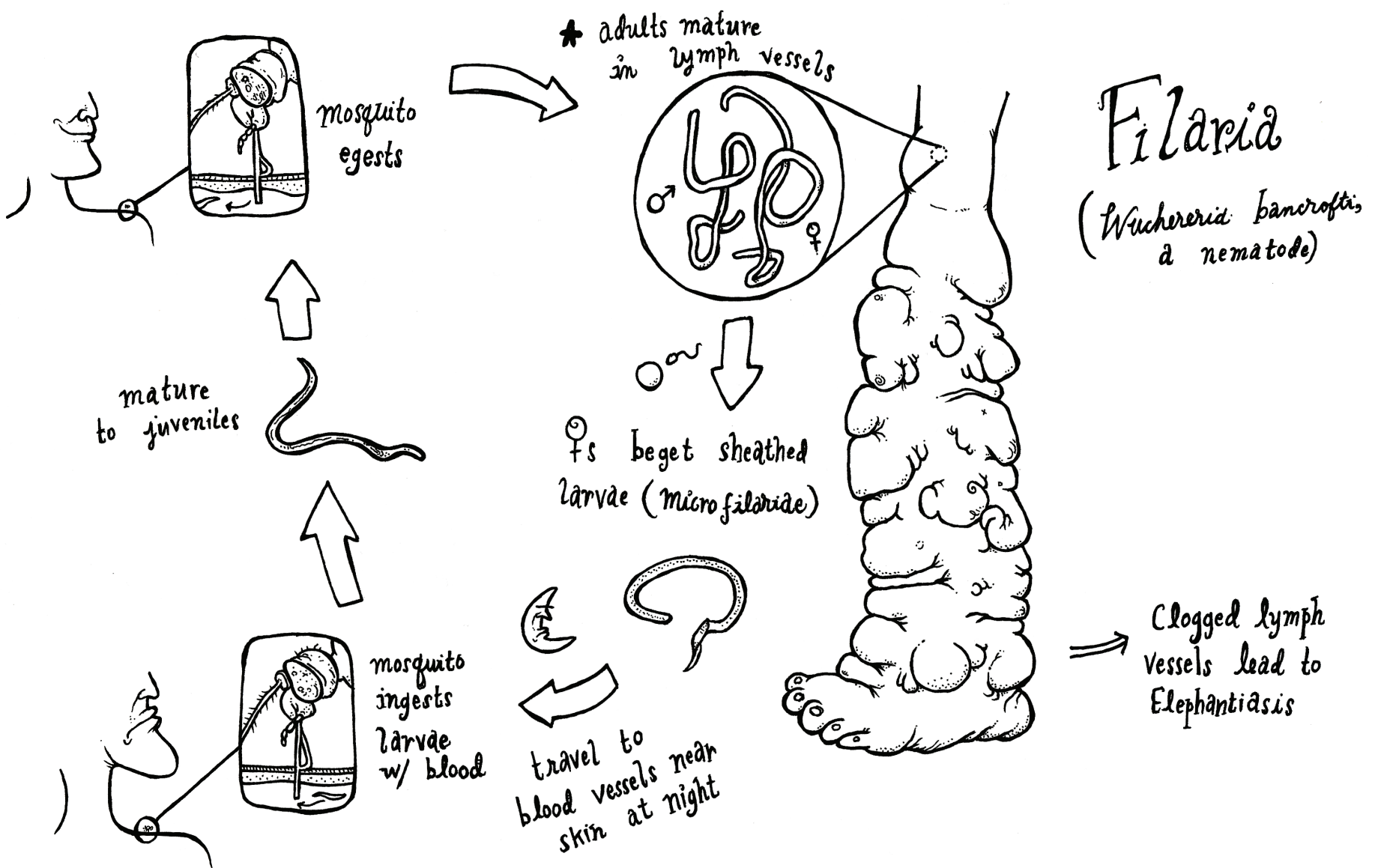
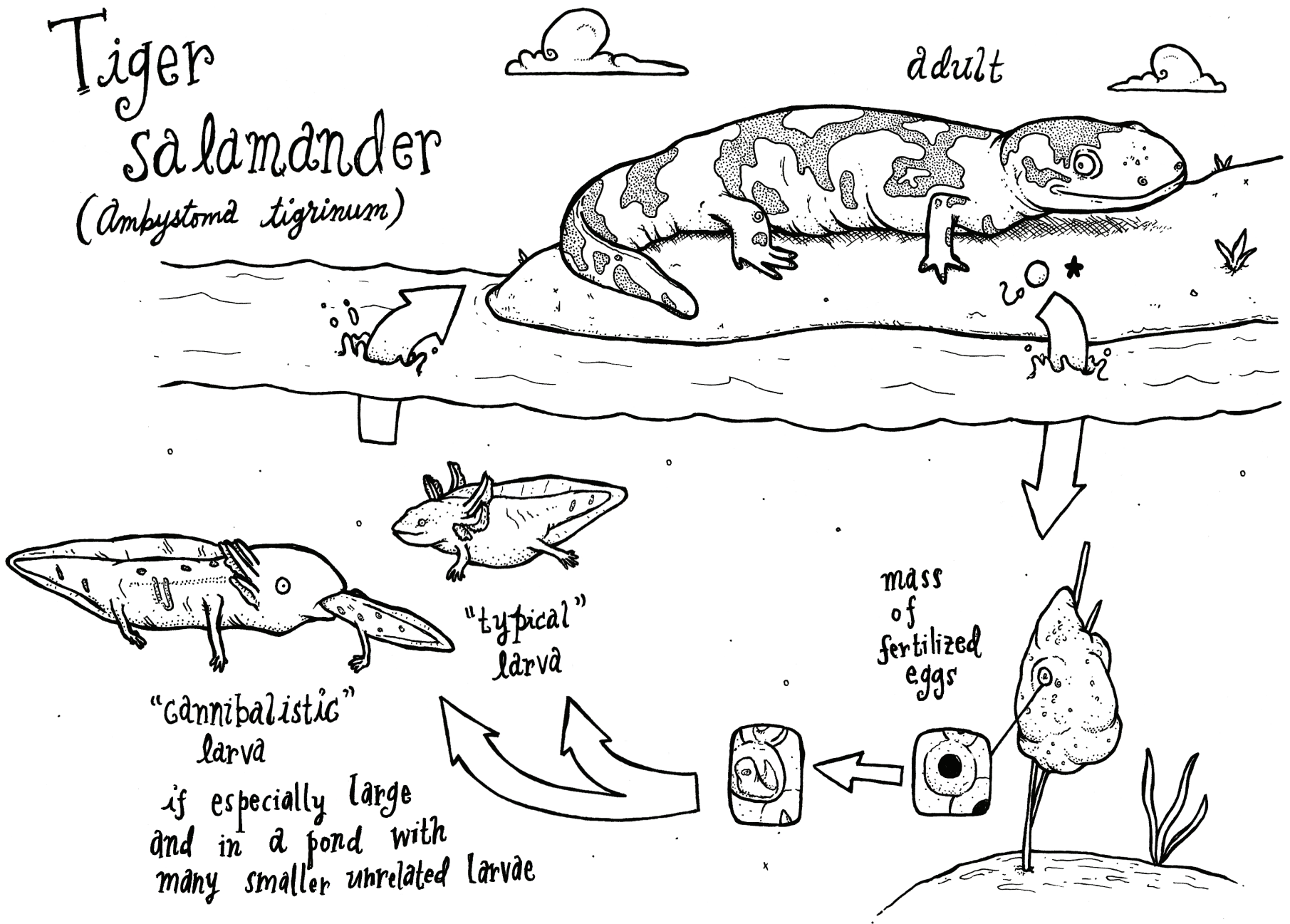
by Manvir Singh

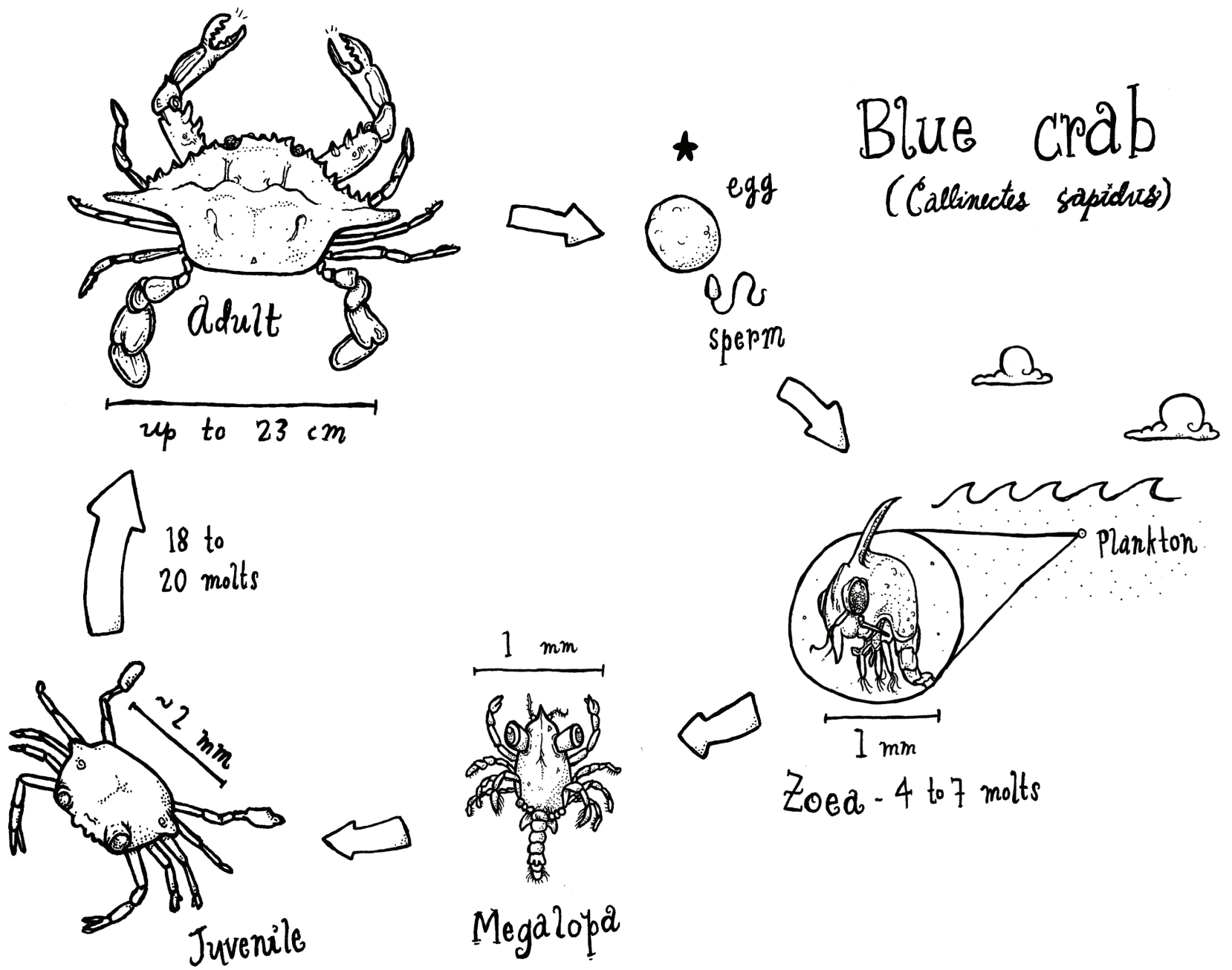
Most of us have a pretty biased view of lifecycles that is shaped by our knowledge of familiar organisms. Our own lifecycles are quite simple - we come out of other humans looking like little people, grow to a larger size, and create more people. Yet many animals live more complicated lives than our own - tadpoles and caterpillars look nothing like their parents but later metamorphose into adults. This pamphlet builds on this foundation, introducing readers to a wonderful diversity of organisms and lifestyles. I chose these organisms to highlight certain features including transformations in body forms, changes in habitat, and a dependence on other organisms. As you peruse through the pamphlet, keep in mind that organisms experience many environmental problems, like how to propagate or avoid competition, and a lifecycle acts as a dynamic solution to these pressures. Enjoy!

★ ⇒ start reading lifecycle here

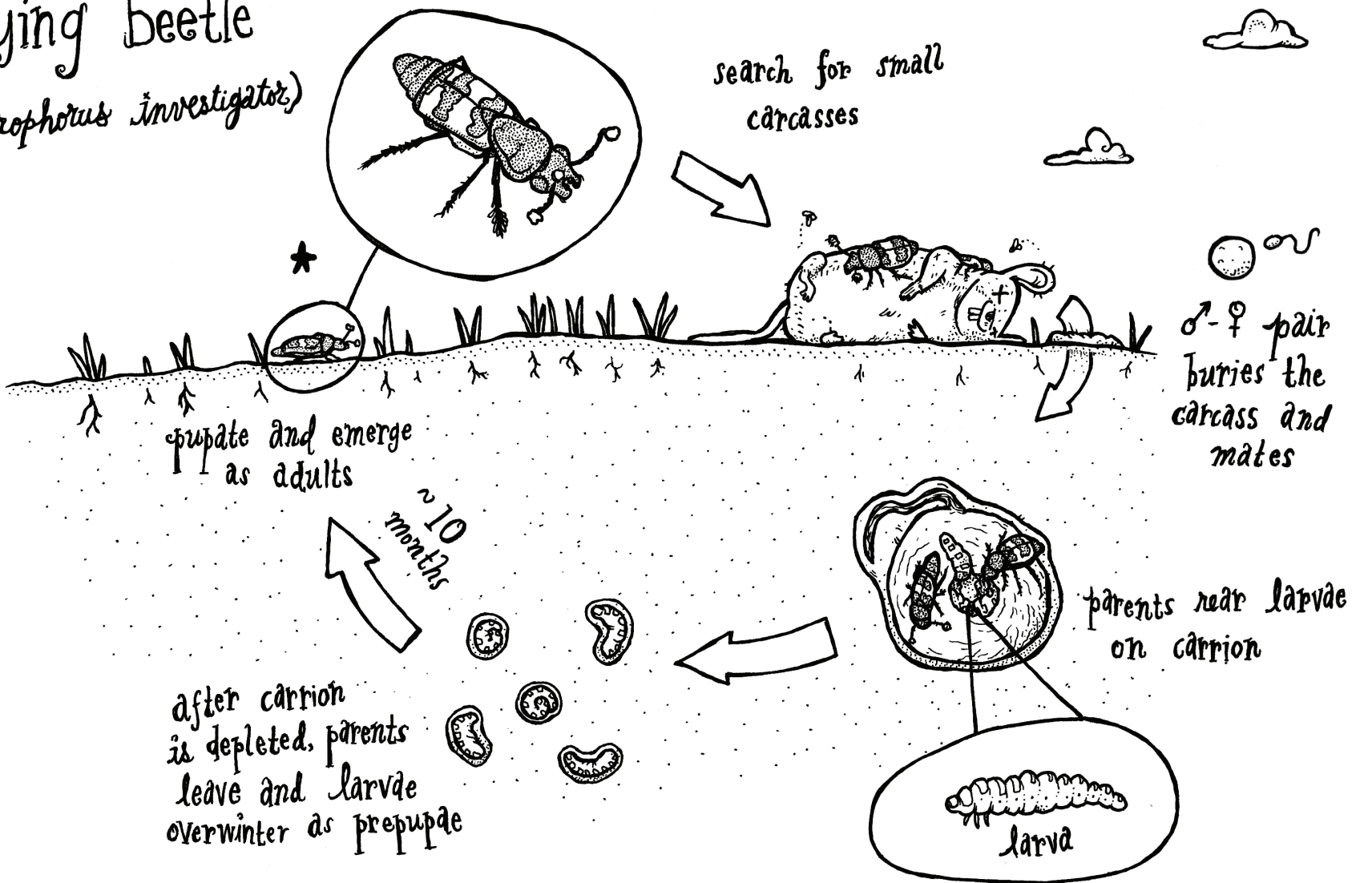
Tiger Salamander (*Ambystoma tigrinum*)

adult



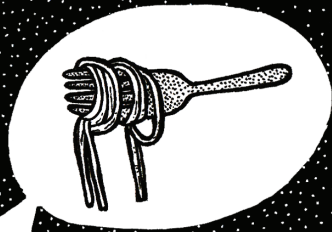


Burying beetle (*Nicrophorus investigator*)

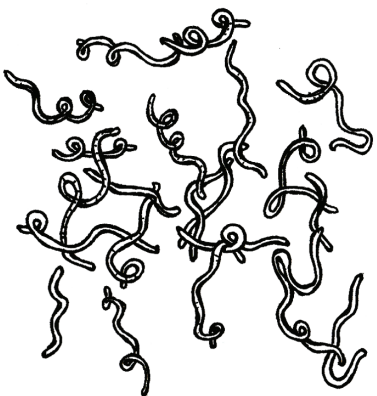


Samoaan palolo worm

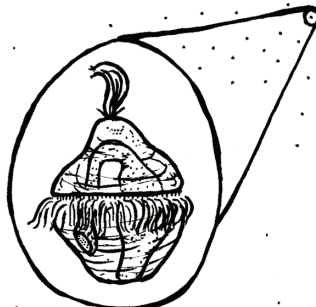
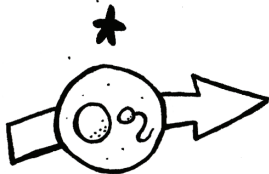
(*Palola viridis*, an annelid)



collected
and prized as
delicacy



epitokes
disintegrate,
releasing egg
or sperm

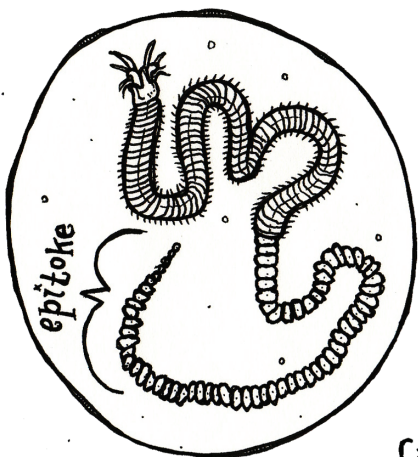


trochophore
larva

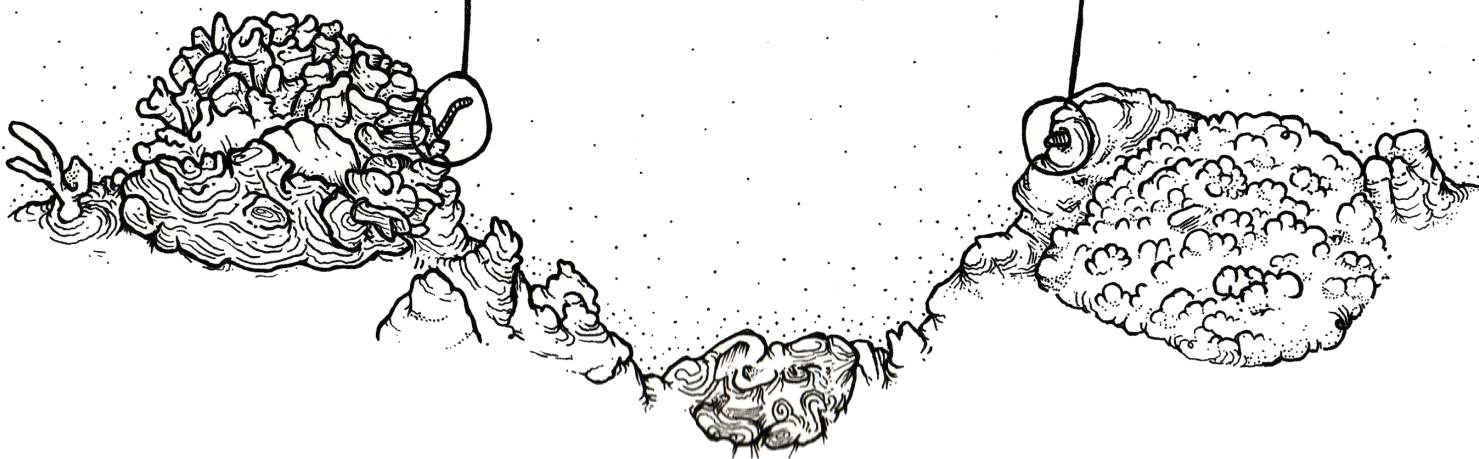
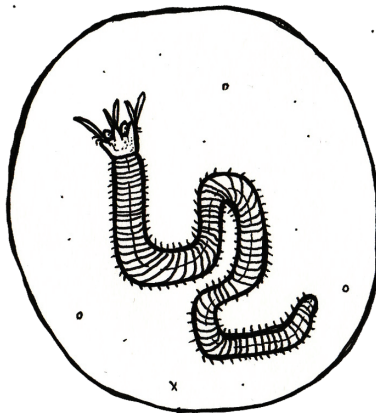
plankton

on one October
or November night,
mass numbers of
worms release their
epitokes
(synchronized to
lunar cycle)

develops
into adult
and settles
in reef

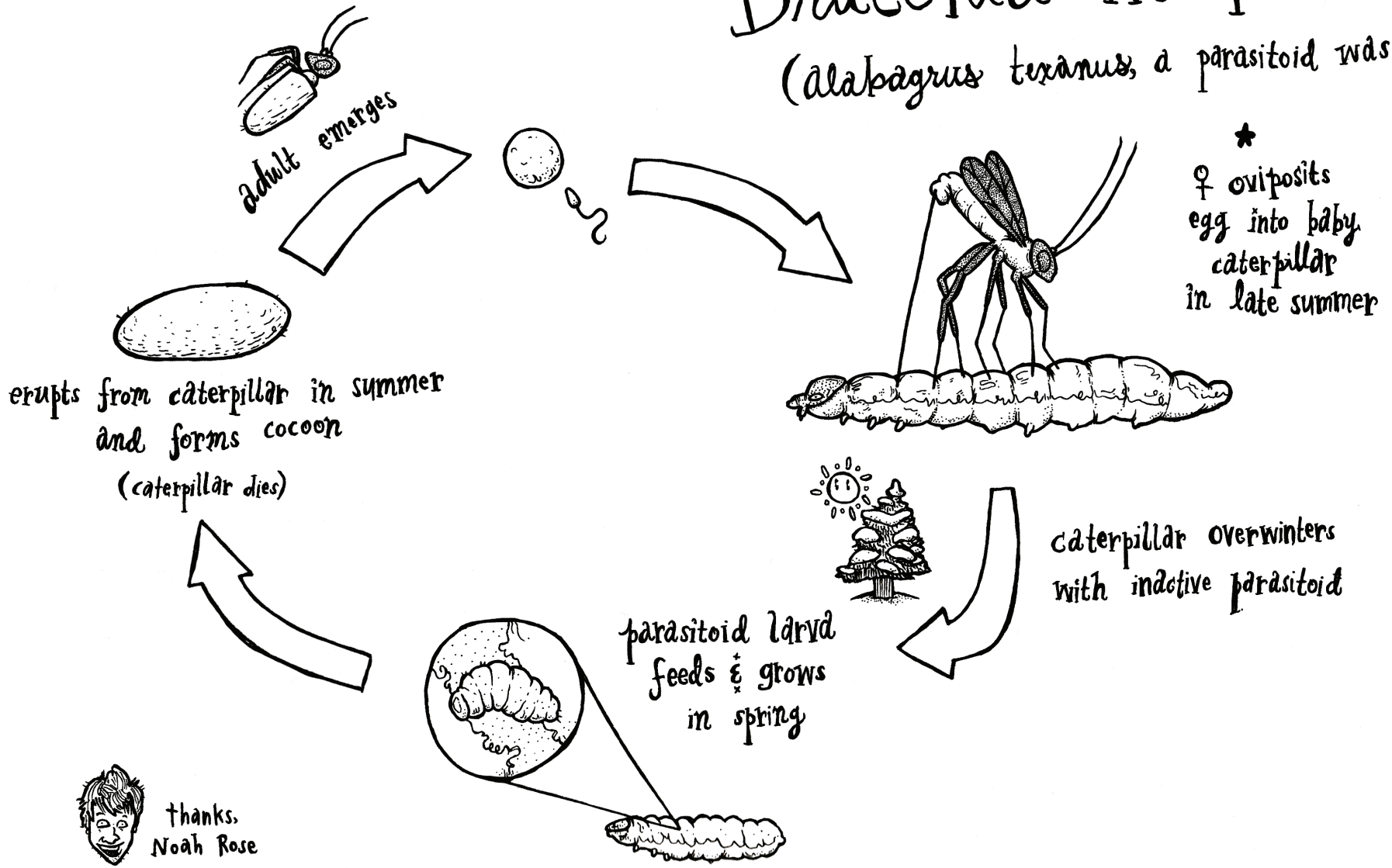


Worm buds
swimming, gamete-
filled chunk of body
called epitoke



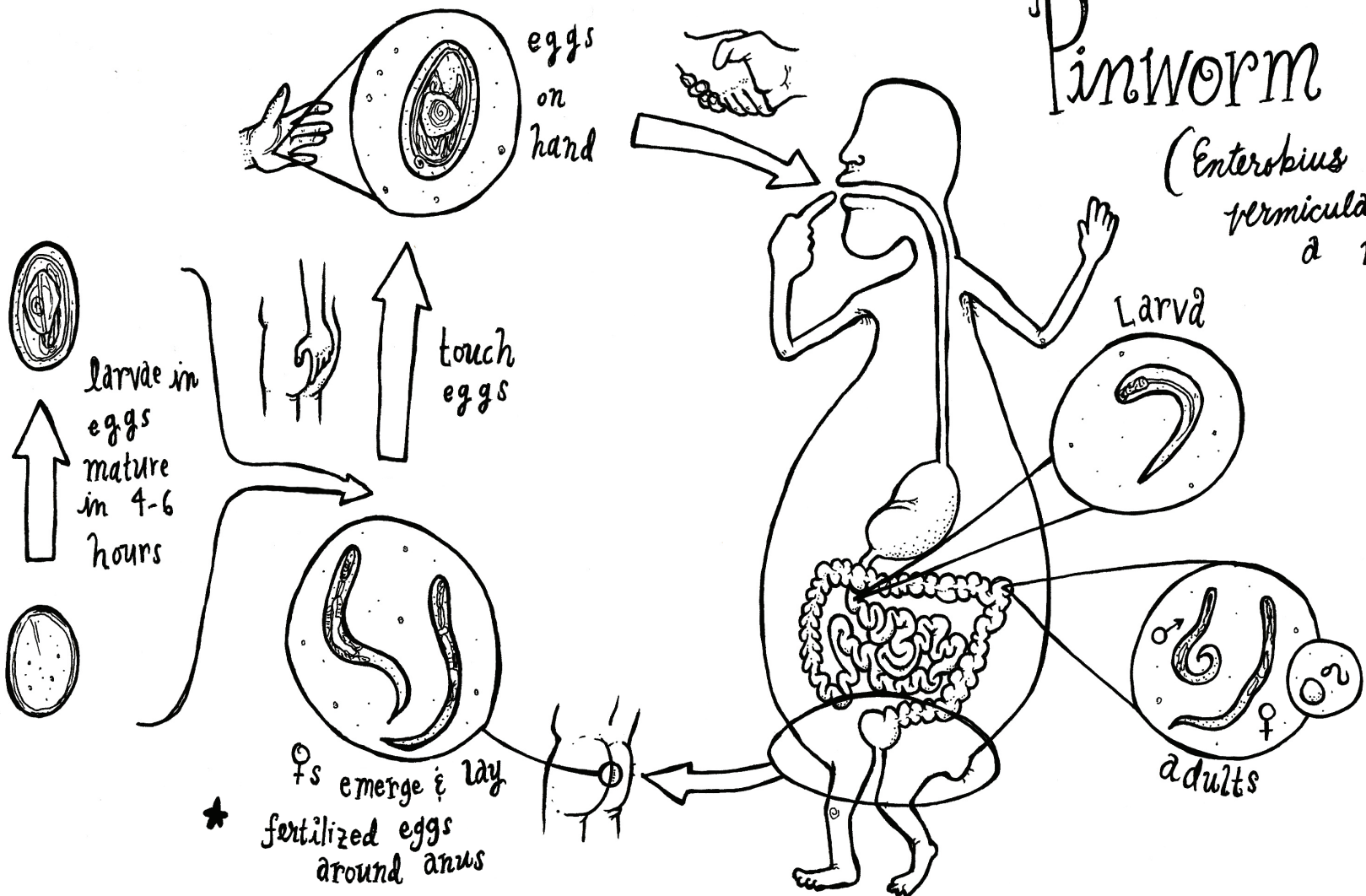
Braconid wasp

(*Alabagrus texanus*, a parasitoid wasp)



Pinworm

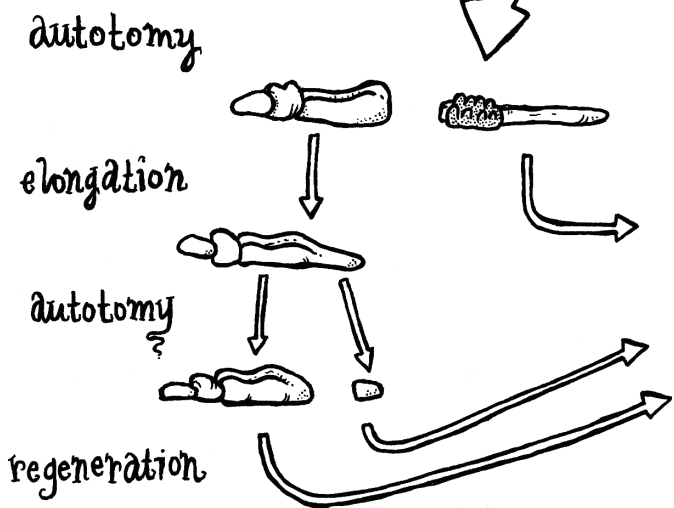
(*Enterobius vermicularis*, a nematode)



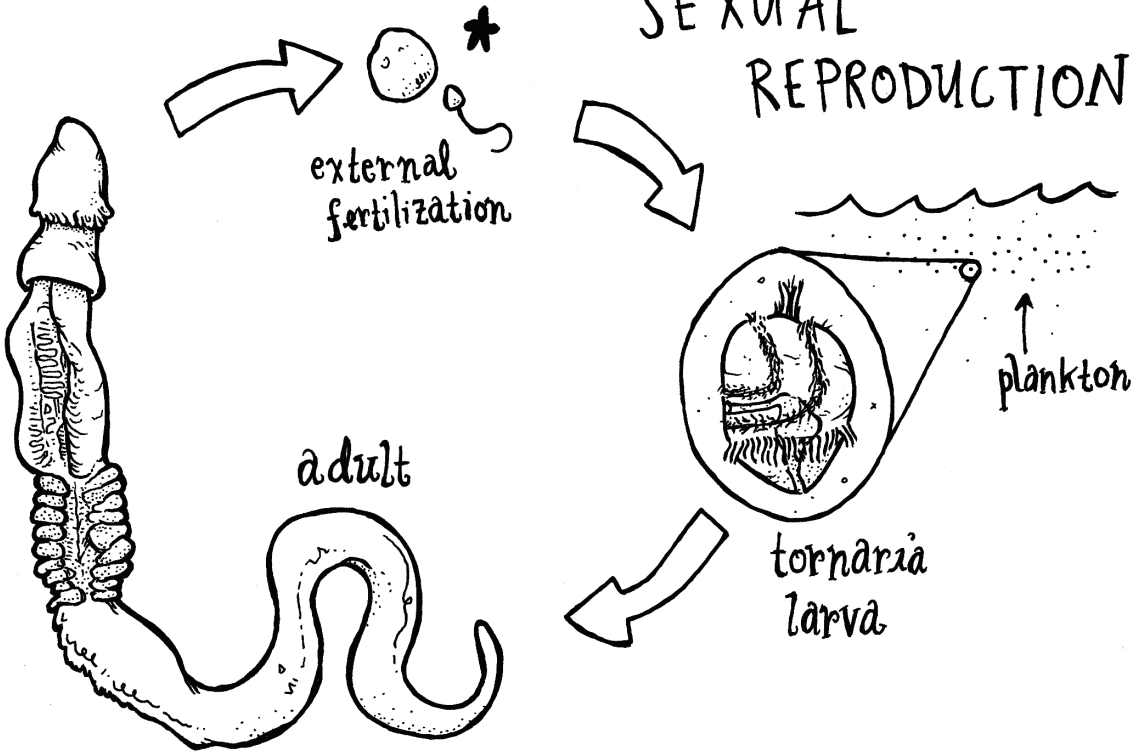
Acorn worm

(*Balanoglossus sinodensis*)

ASEXUAL REPRODUCTION



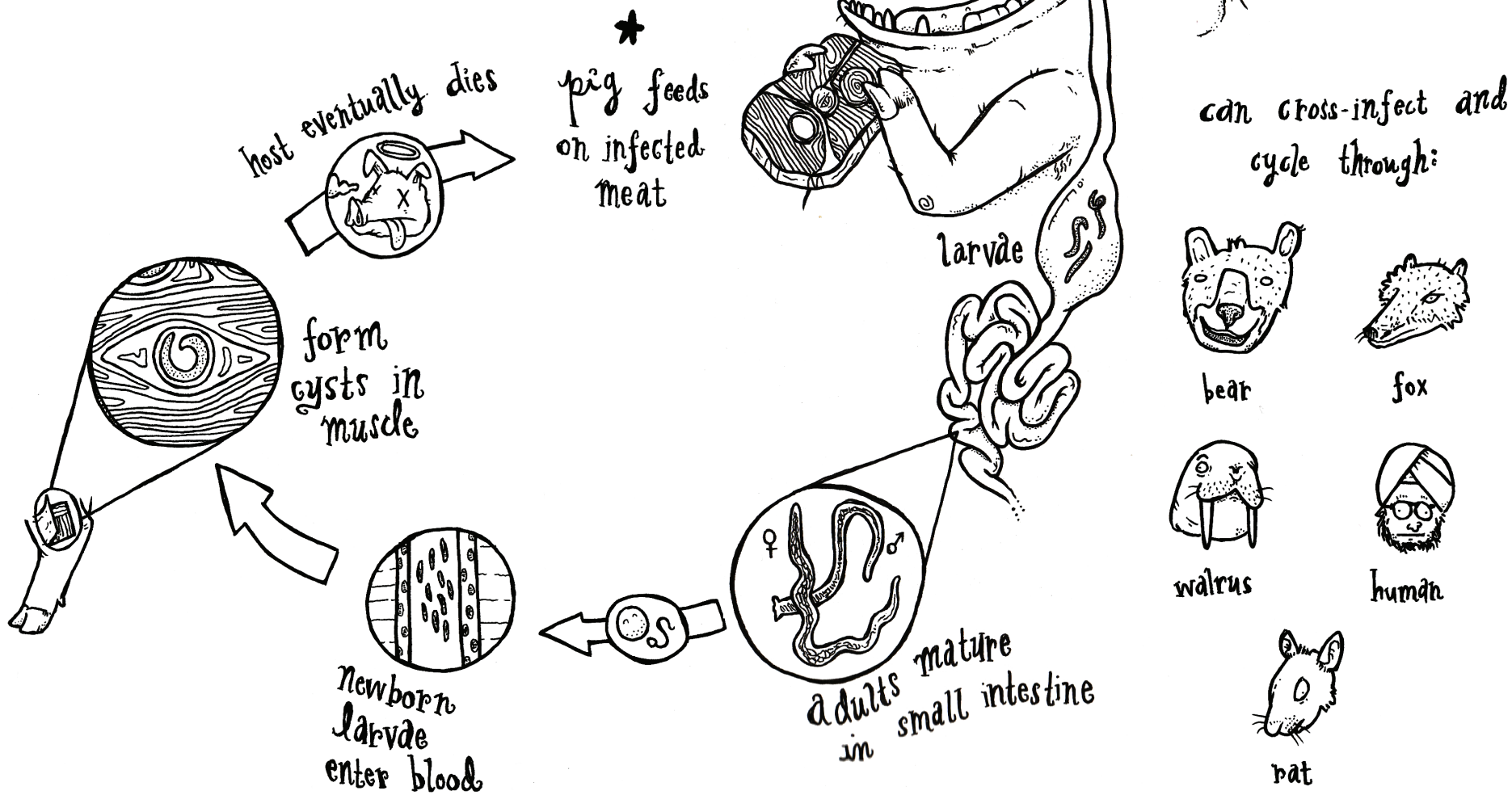
SEXUAL REPRODUCTION

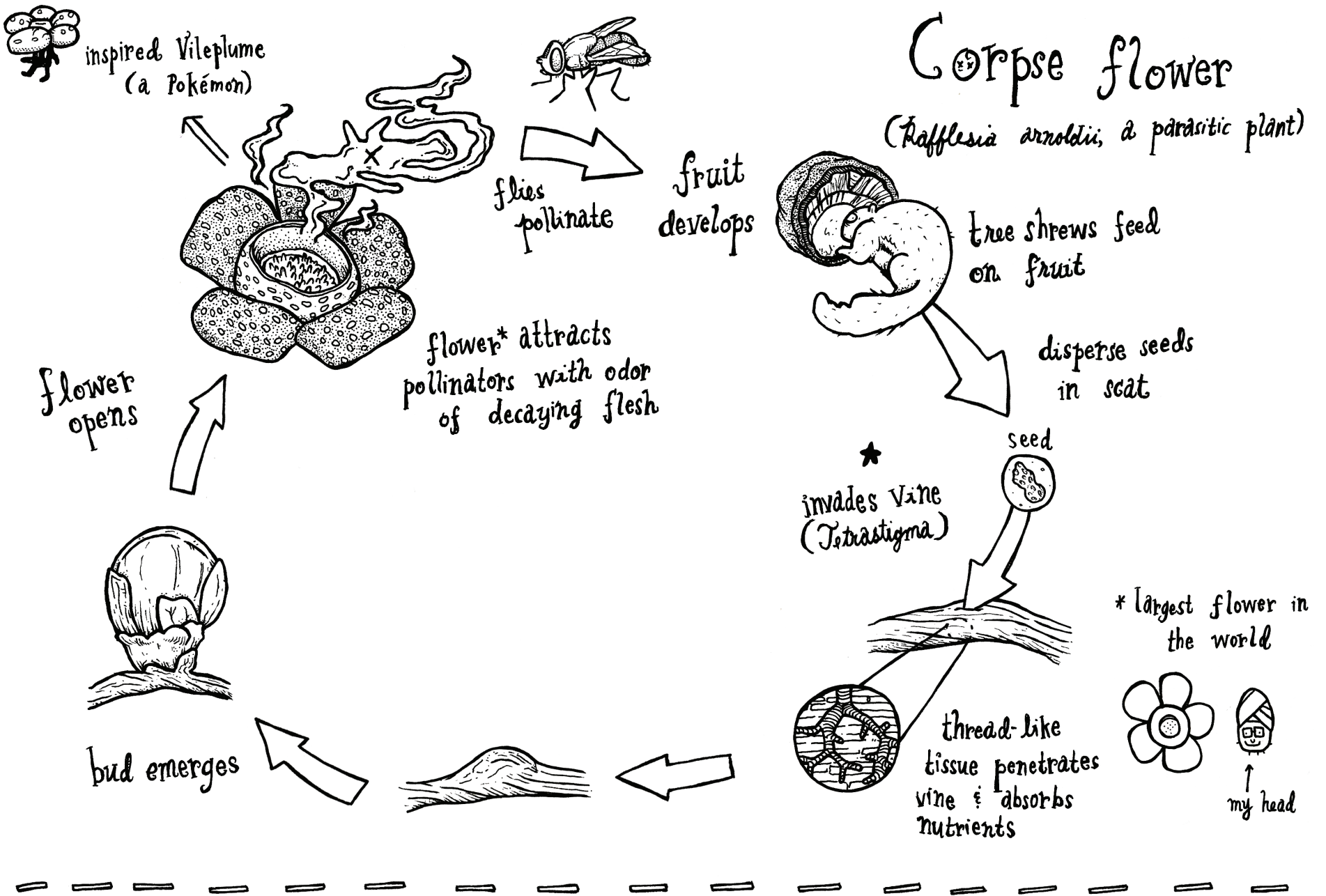


Trichina worm

(*Trichinella spiralis*, another nematode)

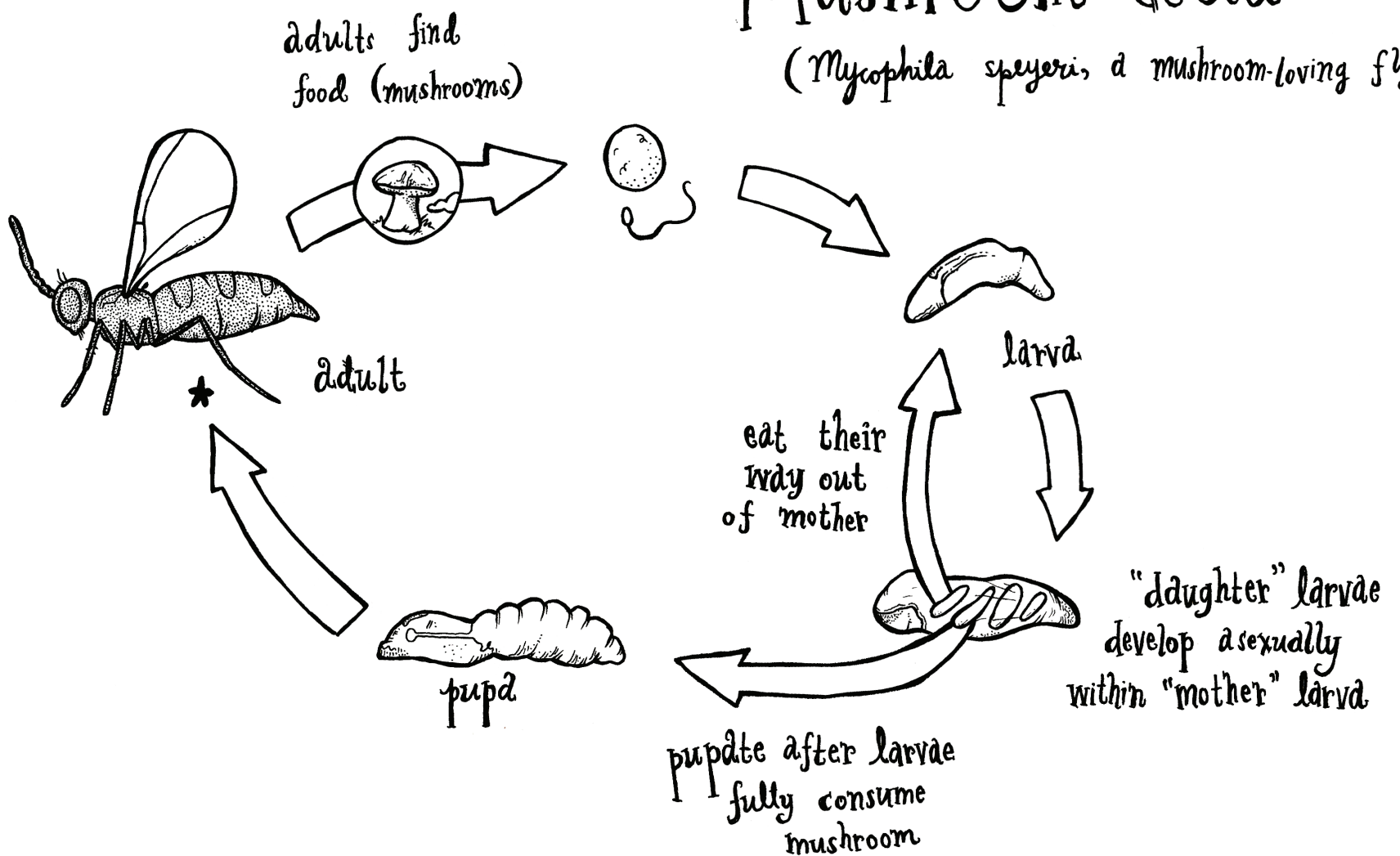
(cannibalism)



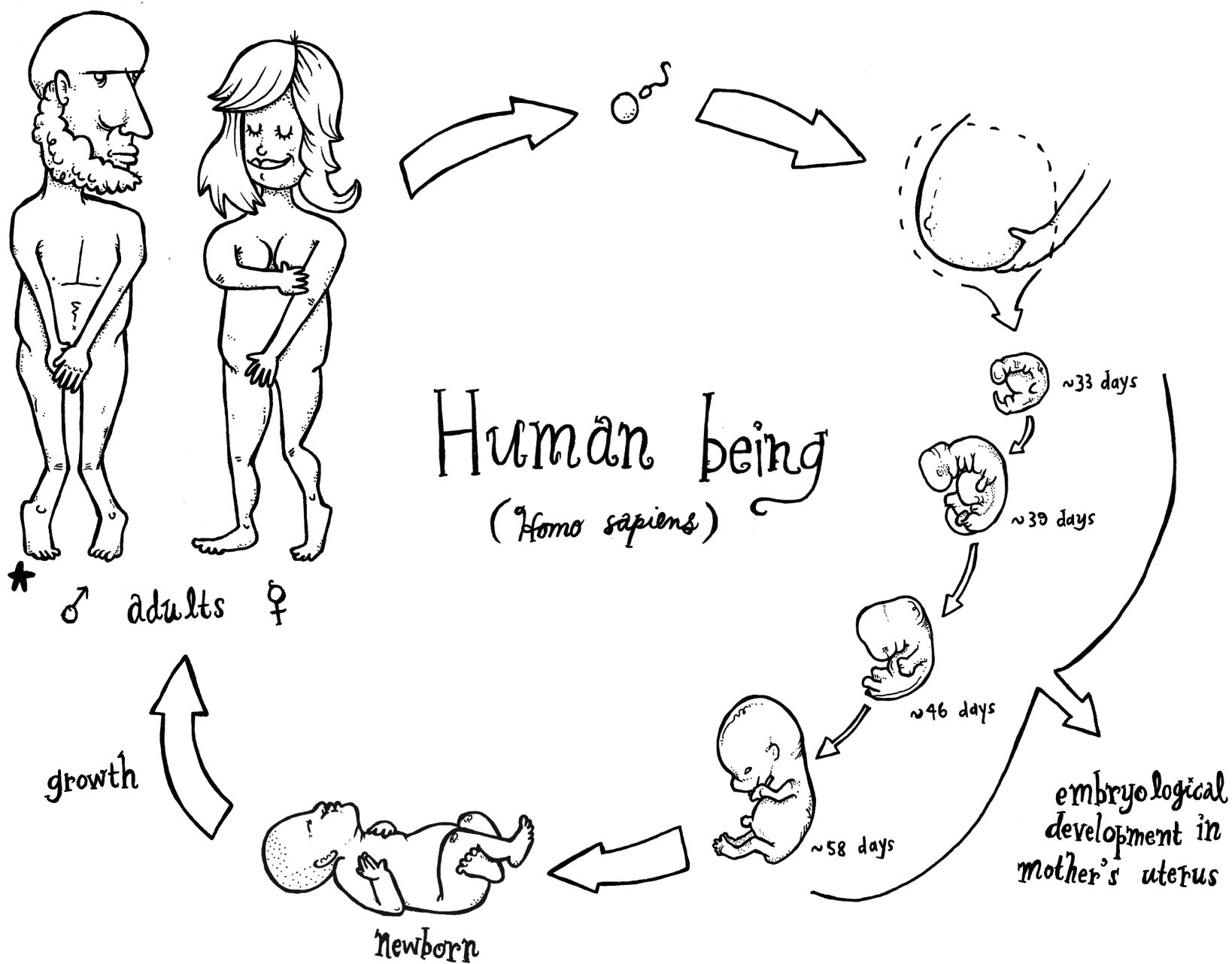


Mushroom cecid

(*Mycophila speyeri*, a mushroom-loving fly)



Check out S.J. Gould's essay, "Organic Wisdom, or Why Should a Fly Eat Its Mother from Inside"



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This pamphlet would've been impossible without the valuable help and guidance of Casey Dunn. Learn more about the unexpected world of biology at creaturecast.org.

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