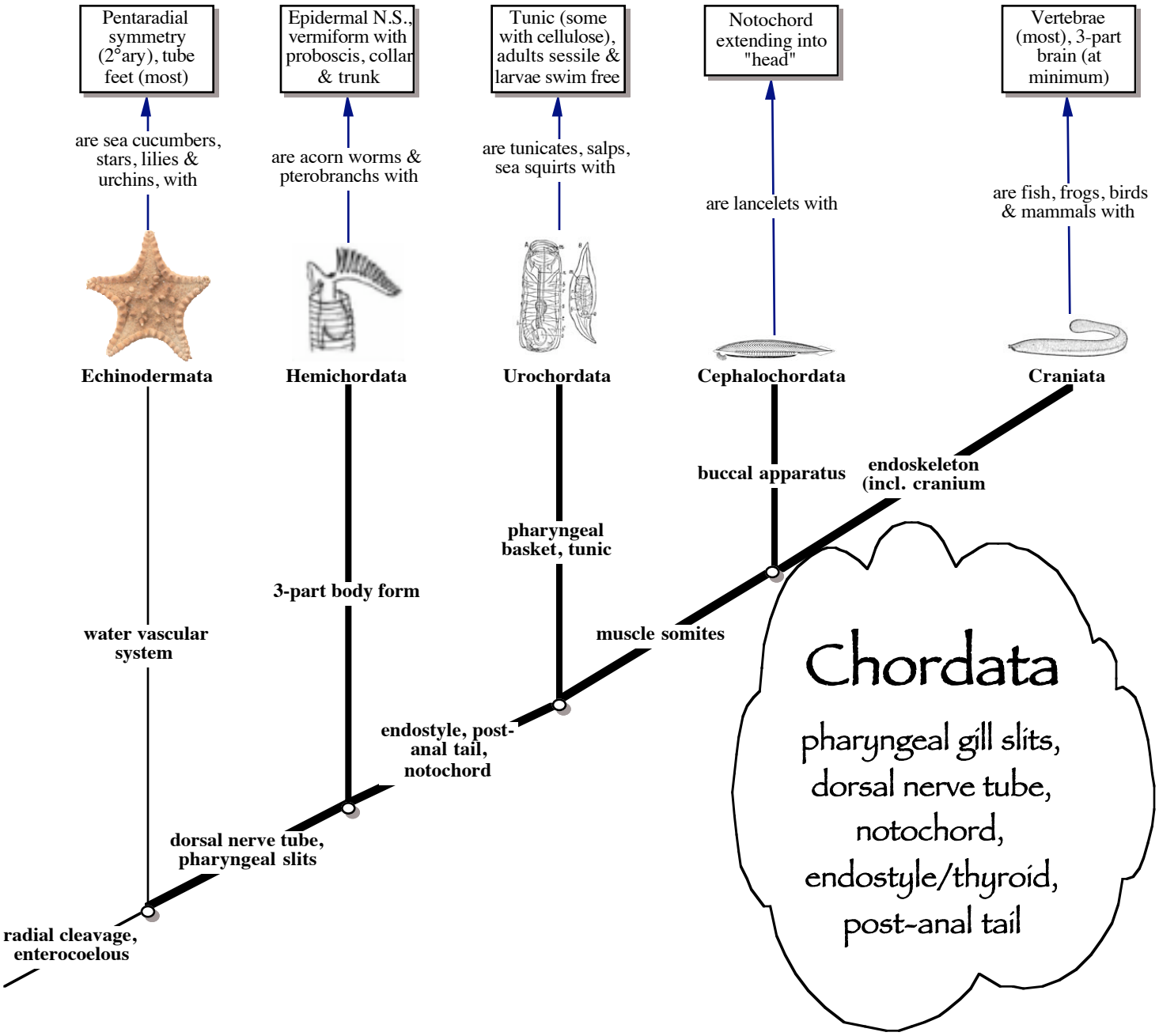
Pentaradial symmetry (2°ary), tube feet (most)
Epidermal N.S., vermiform with proboscis, collar & trunk
Tunic (some with cellulose), adults sessile & larvae swim free
Notochord extending into "head"
Vertebrae (most), 3-part brain (at minimum)
are sea cucumbers, stars, lilies & urchins, with
are acorn worms & pterobranchs with
are tunicates, salps, sea squirts with
are lancelets with
are fish, frogs, birds & mammals with
Echinodermata
Hemichordata
Urochordata
Cephalochordata
Craniata
buccal apparatus
endoskeleton (incl. cranium
pharyngeal basket, tunic
3-part body form
water vascular system
muscle somites
endostyle, post-anal tail, notochord
dorsal nerve tube, pharyngeal slits
radial cleavage, enterocoelous
Chordata
pharyngeal gill slits, dorsal nerve tube, notochord, endostyle/thyroid, post-anal tail