

Why are eyeballs spherical?

What about oocytes?

Why are blood vessels cylindrical?

Shape of fish embryo

These curvatures
are based on
a photograph
of a fish egg.



- 1) Could soap bubbles have this geometry? (no)
- 2) Which interfaces have more tension?
- 3) Is pressure higher in the yolk, or in the cytoplasm?
- 4) What is always constant in soap bubbles?
(That isn't constant here?)

shape of eyeball and cornea



How are cells and organs caused to have particular geometric shapes?

By carving, molding etc.

**by imposed forces
or by properties of materials?**

Angiogenesis

Extension from pre-existing capillaries

Vascularization

**Rearrangement or aggregation
or folding from some (any?) other shape**

Remember

