04/21/2016

* Life's Greatest Miracle – Nova PBS

04/22/2016

* How do developing embryos carry out life functions when they do not yet have the structures?
* Life functions as an embryo
  + Gas exchange/respiration
  + Growthmitosis/protein synthesis
  + Transport of wastes
    - Metabolic: CO2, urea
    - Non-metabolic is egestion, but babies do not perform it
  + Nutrition
  + Transport/circulatory system
* Amniotes
  + Humans, chickens
  + Have same membranes within hard-shelled eggs
* Anamniotes
  + Salamanders, frogs, fish
  + Lay eggs in water – no hard shell
* Chicken eggs
  + Air-permeable
  + Metabolic waste (uric acid) stored in membranes
* Dissection
  + Diagram chicken egg + answer questions
  + State life function of each membrane for chickens + humans
  + Draw + label human fetus