Structure, composition and Nutritive Value of Egg

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- 1. Introduction
- 2. Composition of Egg
- 3. Structure of Egg
- 4. Chemical composition
- 5. Nutritive Value

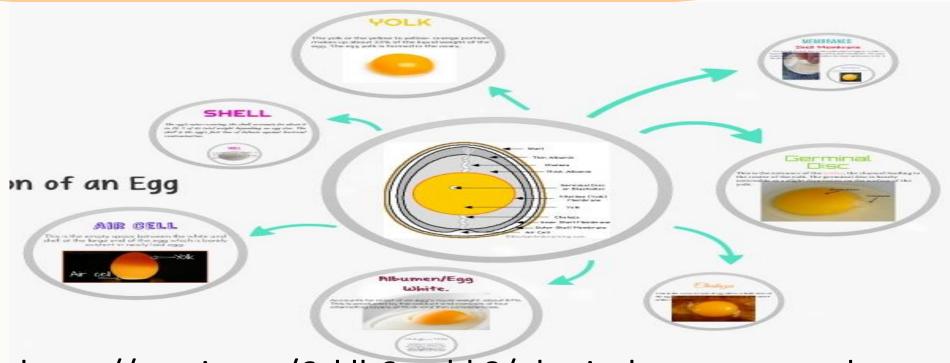


INTRODUCTION:- What is **?????**

- Egg is complete food consumed through out the world
- Mainly Hen and duck egg are commonly consumed
- An avg wt .of egg varry
- Hen start laying at 18 22 week of age
- Total production 122.11 B (
 https://www.vetextension.com/livestock-animal-productionstatistics-of-india-2020/

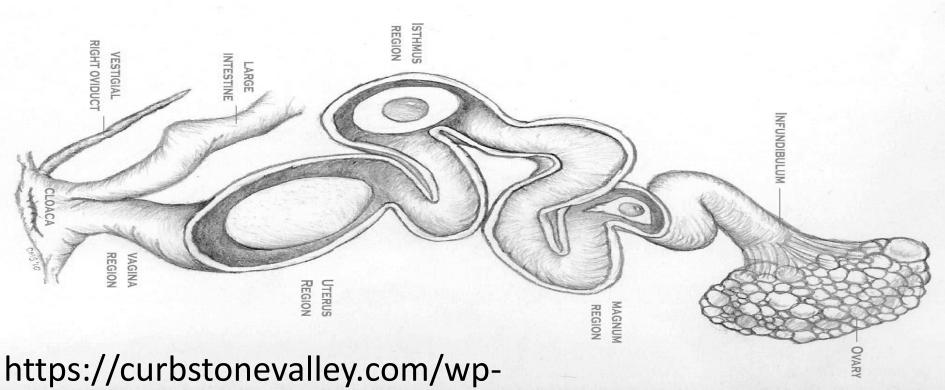


Composition of Egg:-



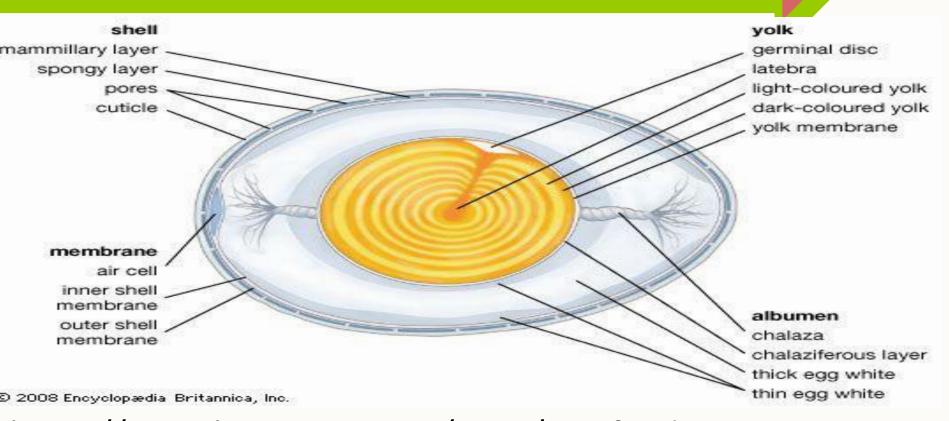
https://prezi.com/6cklb6erahk8/physical-structure-and-composition-of-an-egg/

Formation of Egg:-



content/uploads/2010/09/oviductsketch.jpg

Structure of Egg:-

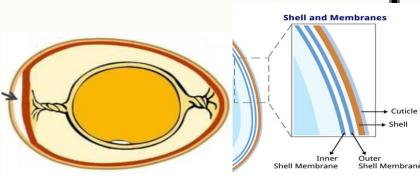


https://www.britannica.com/topic/egg-food

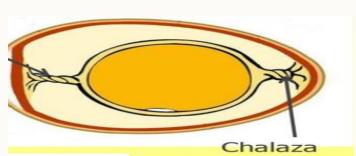
- Shell Outer layer
- Comprise of 11% of total wt .
- Composed of mainly ca carbonate.
- It contain minute pore ,funnel shape .

Air cell

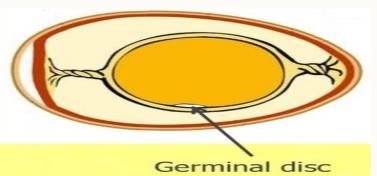
- Shell membrane It form Air cell
- At Broad end of Egg Bwt the membrane
- It help in defence mechanism.
- High quality have small air cell.

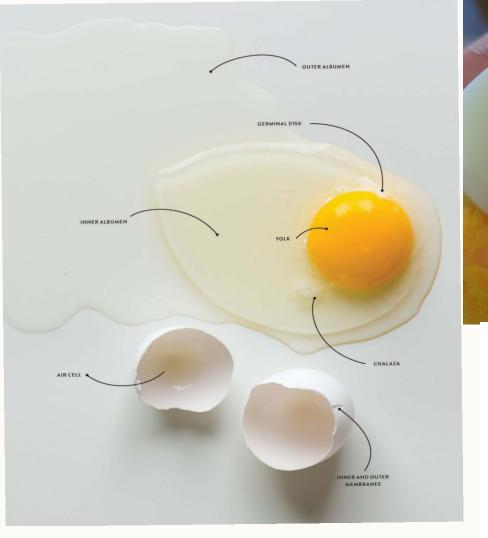


- **Albumin white portion**
- 58 % of total wt.
- Four layer
- Chalaze formed due to rotational movement of egg in oviduct .
- Egg white contain more than half of protein.



- Yolk 31 % total egg wt.
- Concentric layer of dark and light yolk.
 - Contain all fat.
 - Four structure.

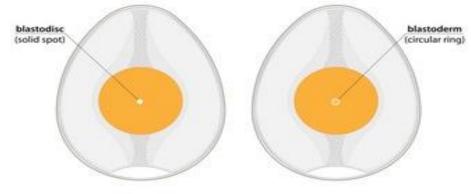






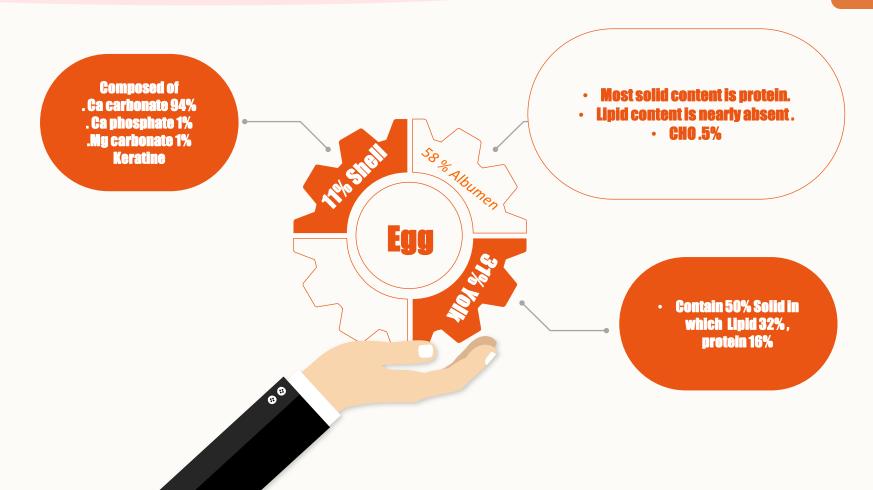
Unfertilized egg

https://i.s tack.imgu r.com/0c Mzd.jpg



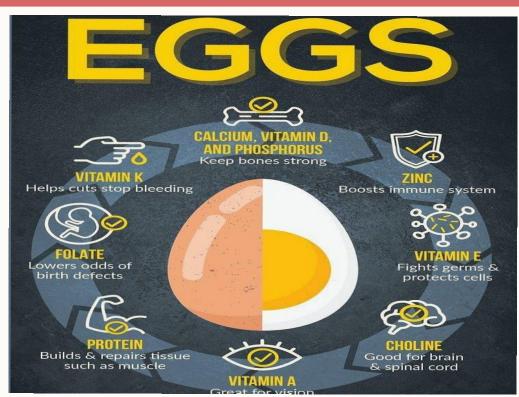
Fertilized egg

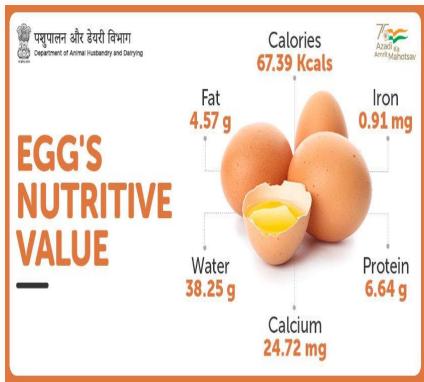
Chemical composition:-



Sharma and Sharma 2011, Page no.159 - 164)

Nutritive Value:-





https://vikaspedia.in/health/nutrition/nutritive-value-of-

