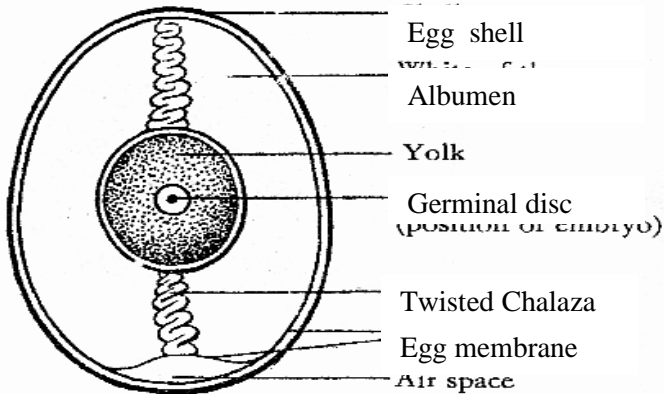


**SUBTOPIC: VERTEBRATES**  
**LESSON 4; BIRDS (REPRODUCTION IN BIRDS)**

**Reproduction in birds**

- ❖ Birds reproduce by means of laying eggs.
- ❖ Their eggs are fertilized internally before they are laid out.
- ❖ A hen will sit on the eggs (incubate) until they hatch into young ones (chick)

**An illustration showing parts of a fertilized egg.**



**Functions of the parts.**

**Egg shell:** protects the inner part of an egg.

It is porous to allow gaseous exchange.

**Air space:** It stores air

It provides oxygen to the embryo.

**Egg Yolk;** provides food to the growing embryo.

**Germinal disc:** develops into a chick.

**Albumen or egg white;** Provides food to the growing embryo.

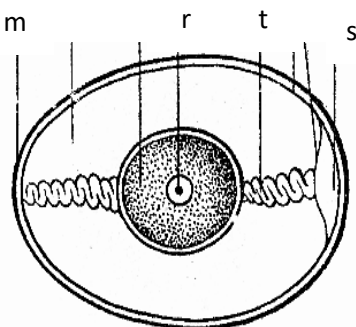
**Chalaza;** holds the Yolk and embryo in one position.

It transports oxygen to the growing embryo

**Learners' activity**

1. Which type of fertilization occurs in birds.

2. The diagram below shows a fertilized egg. Use it to answer the questions that follow.



a) Name parts of an egg marked

r \_\_\_\_\_

t \_\_\_\_\_

b) State the functions of each of the following parts

i) s \_\_\_\_\_

ii) m \_\_\_\_\_

c) What class of food is obtained from eating eggs?

\_\_\_\_\_

d) How do birds reproduce?

\_\_\_\_\_