

Fig. 36.8: 21 hours chick embryo.

6. In front of the head fold there is a transparent area called **proamnion**.
7. The primitive streak remains behind the middle of the blastoderm. It contains a **Hensen's node**, a **primitive groove** and **primitive folds**.
8. The blastoderm has two regions, namely a central **area pellucida** and a peripheral **area opaca**.
9. The area pellucida consists of a central **embryonic area** and a peripheral **extra-embryonic area**.
10. The area opaca contains groups of red spots near the area pellucida. These spots are called **blood islands**. This region of area opaca is called **area vasculosa**.
11. The peripheral region of area opaca is devoid of blood islands. This area is called **area vitellina**.

24 Hours Chick Embryo

1. This stage of the embryo contains four pairs of somites.
2. The embryo is **oval** in shape.

3. The embryo has two regions, namely a central ***area pellucida*** and a peripheral ***area opaca***.
4. The area pellucida has two regions, namely an ***embryonic area*** and an ***extra-embryonic area***.
5. The area opaca has also two regions, namely a peripheral ***area vitellina*** and an inner ***area vasculosa***.
6. The area vasculosa contains ***blood islands***.
7. The primitive groove and the primitive folds are prominent.
8. Posteriorly the neural folds are widely separated by a shallow space called ***sinus rhomboidalis***.
9. The sinus rhomboidalis encloses the primitive streak.
10. The head fold is slightly elevated. Below the head fold there is a shallow region called ***subcephalic pocket***.

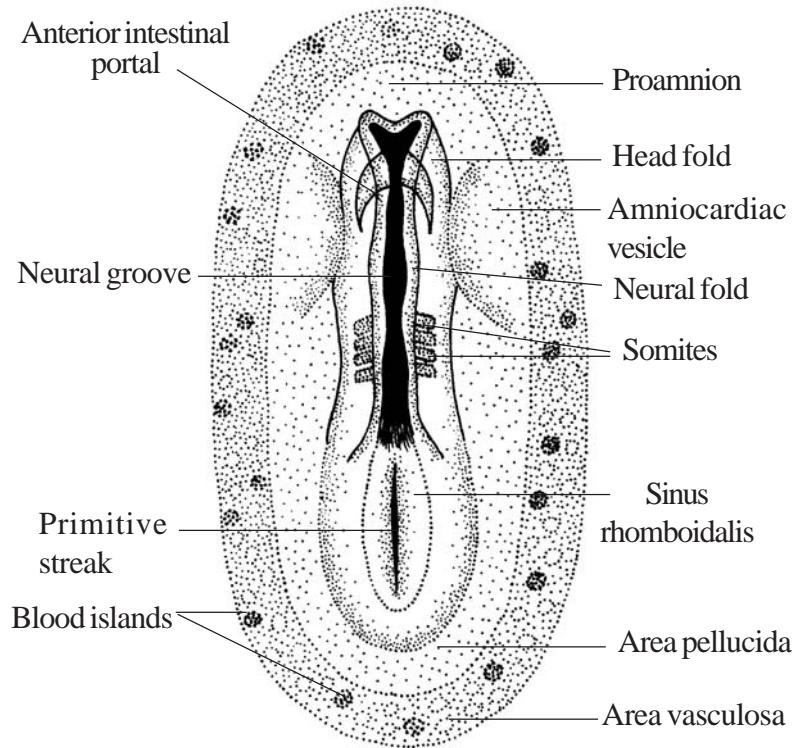


Fig.36.9: 24 hours chick embryo (Dorsal aspect)

11. In front of the head fold there is ***proamnion***.
 12. The foregut is developed. It opens into the midgut by a wide opening called ***anterior intestinal portal***.
 13. On the sides of the head fold there are ***amnio-cardiac vesicles***. The amnio-cardiac vesicles develop into the heart.
- Thirty Three Hours Chick Embryo**
1. Thirty three hours chick embryo is identified by the presence of 13 pairs of somites.
 2. The ***neural tube*** is completed in the anterior half of the embryo. It opens anteriorly by the ***anterior neuropore***.
 3. Posteriorly, the neural folds enclose a shallow area called ***sinus rhomboidalis***. It contains the ***primitive streak***.

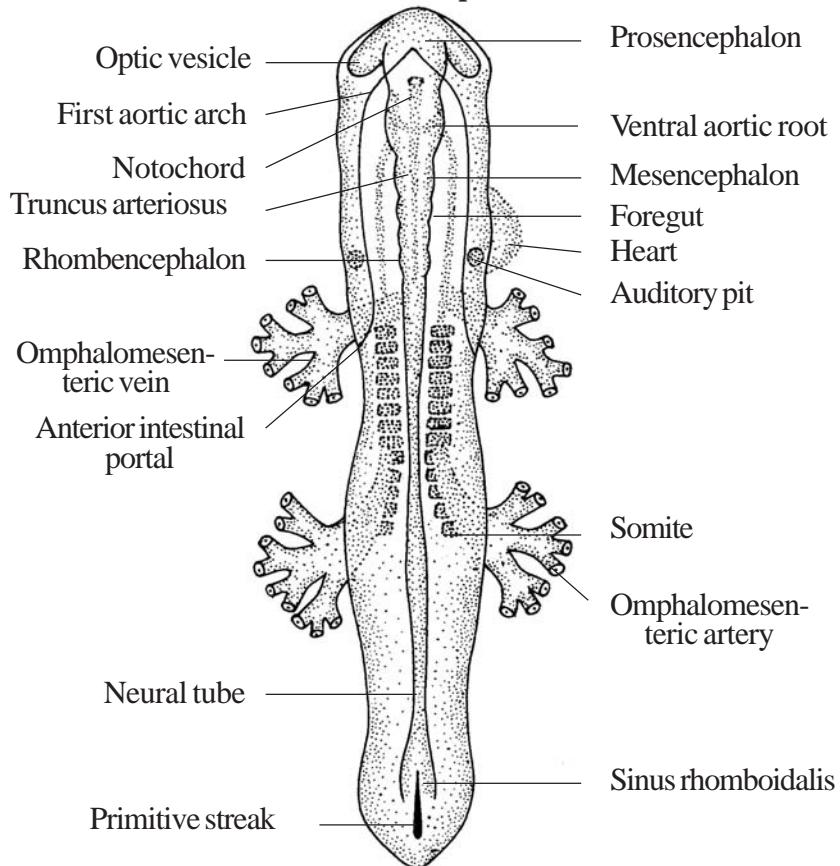


Fig.36.10: 33 hours chick embryo.