

C. On The basis Of arrangement of cells-

1. Radial cleavage-

In radial cleavage, the successive cleavage furrow cut straight through the egg, at right angles to one another so that the resultant blastomeres appear to be arranged radially.

All those eggs which have holoblastic cleavage, exhibit radial cleavage.

Examples- Synepta eggs.

2. Spiral cleavage-

It is a modification of the radial cleavage. In this, the mitotic spindles of the third clv in the four blastomeres are laid down obliquely and are arranged in a sort of spiral so that the 4 blastomeres of upper tier do not lie over the corresponding blastomeres of lower tier but between them. This type of cleavage is known as **spiral cleavage**. The turn of spiral may be in a clockwise or counter clockwise direction.

Examples- Annelids, Molluscs.

