

## T = -2 min

The final round of main nuclei mitosis

## T = 0 min (A, B)

Three independent invaginations start:

1. On each side of the embryo, a slit starts forming. These will merge and become the **cephalic furrow**, separating the body from the head.
2. On the bottom (ventral) side, a rectangle of cells contract, beginning the formation of the **ventral furrow**
3. A 10-cell radius ring on the back (posterior) tip starts apical constriction. This will later invaginate, forming the **posterior midgut (PMG)**

## T = 2 min – 3 min (C,D,E,F)

1. The **ventral furrow** closes off completely in the middle, creating a characteristic light-bulb shape.
2. The **germ-band** starts extending by convergent extension

## T = 8 min (G)

The **germ-band** has moved the still-closing end of the **ventral furrow** towards the back (posterior), wrapping around towards the top (dorsal side)

## T = 10-12 min (H)

The **ventral furrow** merge with the invaginating **posterior midgut (PMG)**.

## T = 15 min

The **germ-band** stops elongating, with the basis for the most vital morphology finished, the cell differentiation begins

