

## Cloning

- A clone is a group of genetically identical organisms or group of cells artificially derived from a single parent cell.
- Many plant species, e.g. Chlorophytum, and some animal species, e.g. Hydra, use mitosis to produce clones naturally.

### Somatic-cell nuclear transfer – an artificial method of cloning

- Three sheep were involved in cloning the lamb 'Dolly':
  - Sheep A provided an udder cell – this is the **somatic** / body cell.
  - Sheep B provided an egg (**oocyte**).
  - Sheep C was the surrogate mother.

