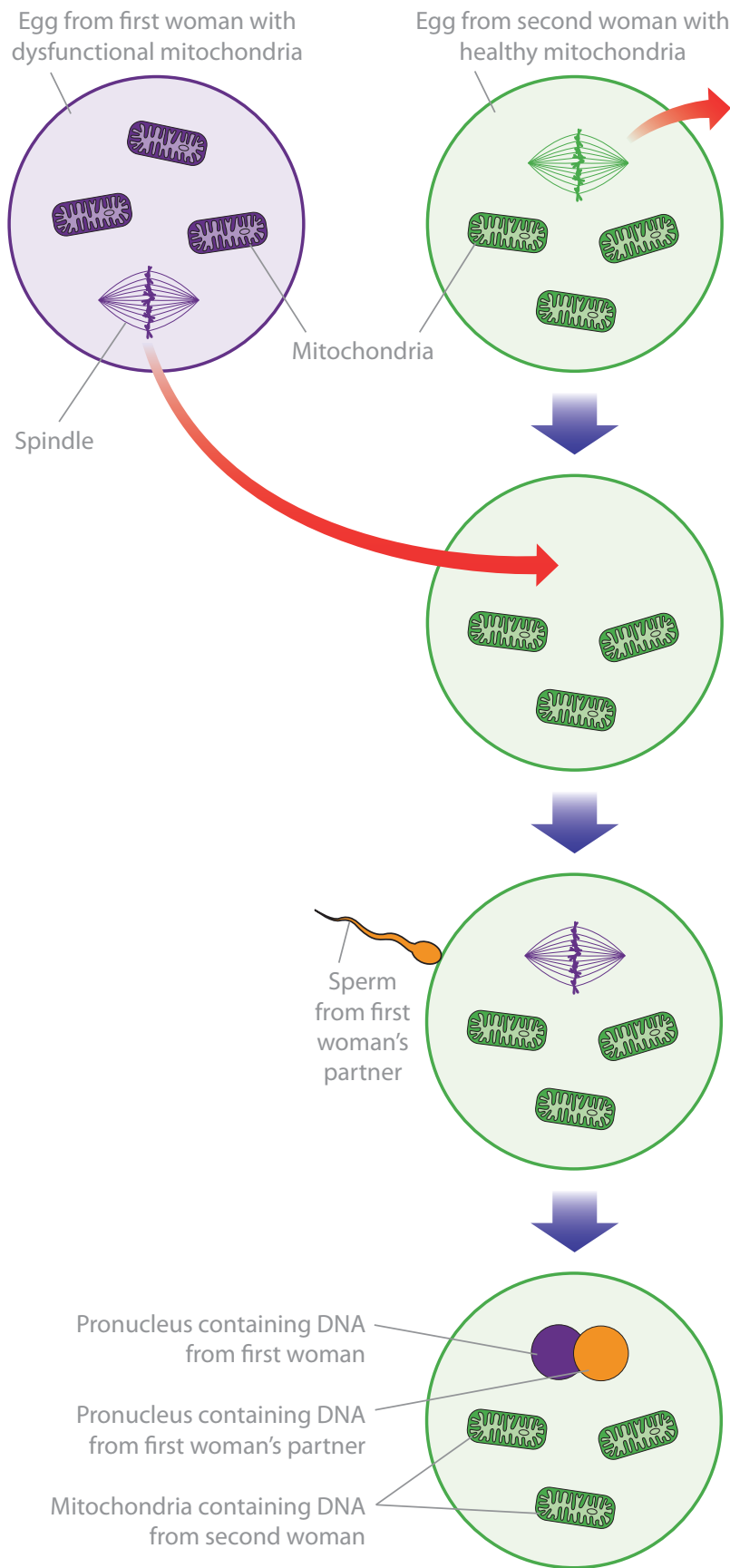


Maternal Spindle Transfer



The spindle from the second woman's egg is removed and discarded.

The spindle from the first woman's egg is transferred to the emptied egg of the second woman.

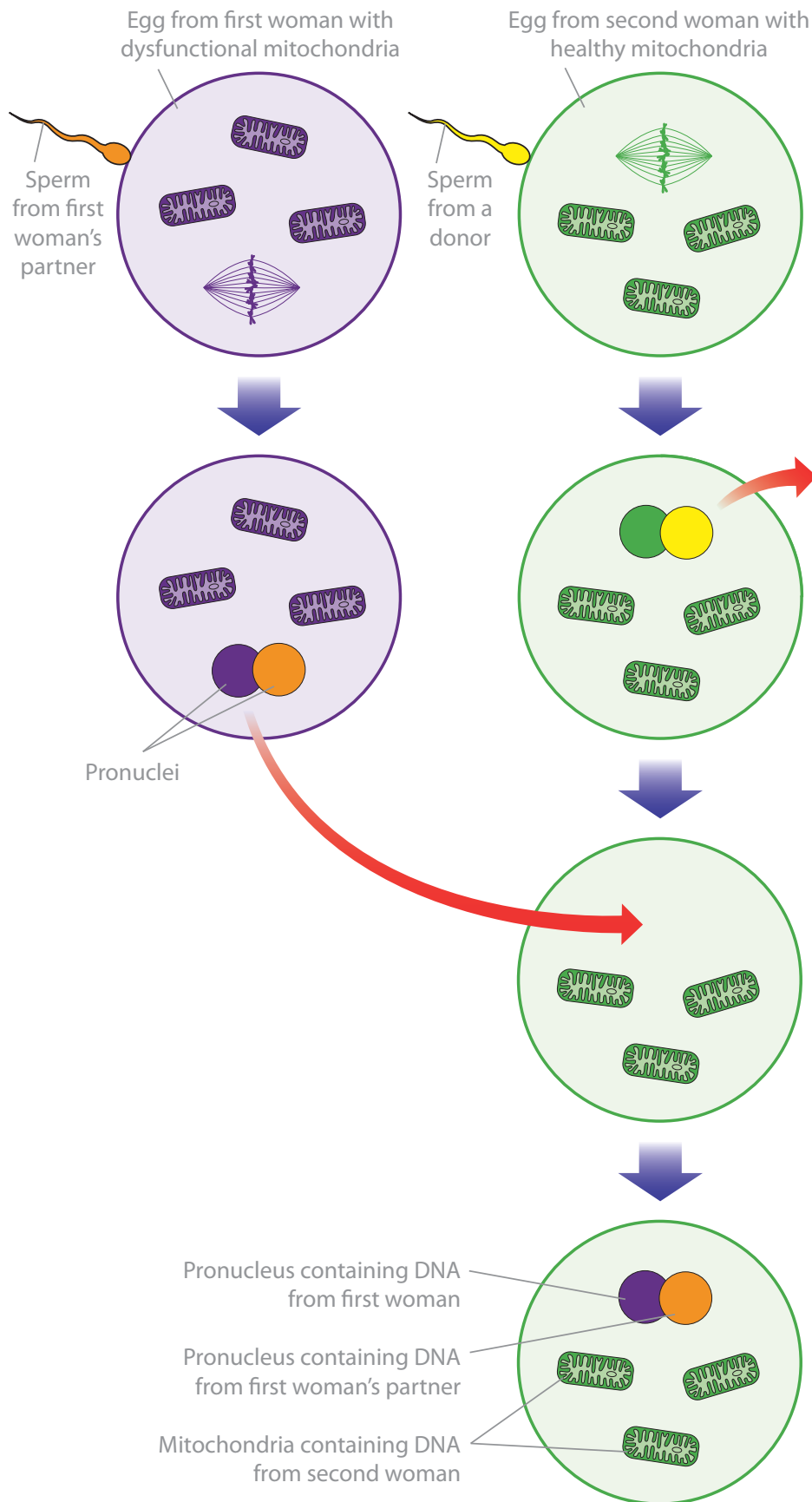
The emptied first woman's egg is then discarded.

The new egg is fertilised by the sperm of the first woman's partner.

An embryo is formed through the involvement of three biological parents.

The embryo is then transferred into the uterus of the first woman.

Pronuclear Transfer



The first woman's egg is fertilised with sperm from her partner to form an embryo.

The second woman's egg is fertilised with sperm from a donor to form a second embryo.

In each embryo the chromosomes from the egg and sperm regroup into a set of pronuclei.

The pronuclei from the second woman's embryo are removed and discarded.

The pronuclei from the first woman's embryo are transferred into the emptied embryo of the second woman.

The emptied first woman's embryo is then discarded.

A new embryo is formed through the involvement of four biological parents.

The embryo is then transferred into the uterus of the first woman.