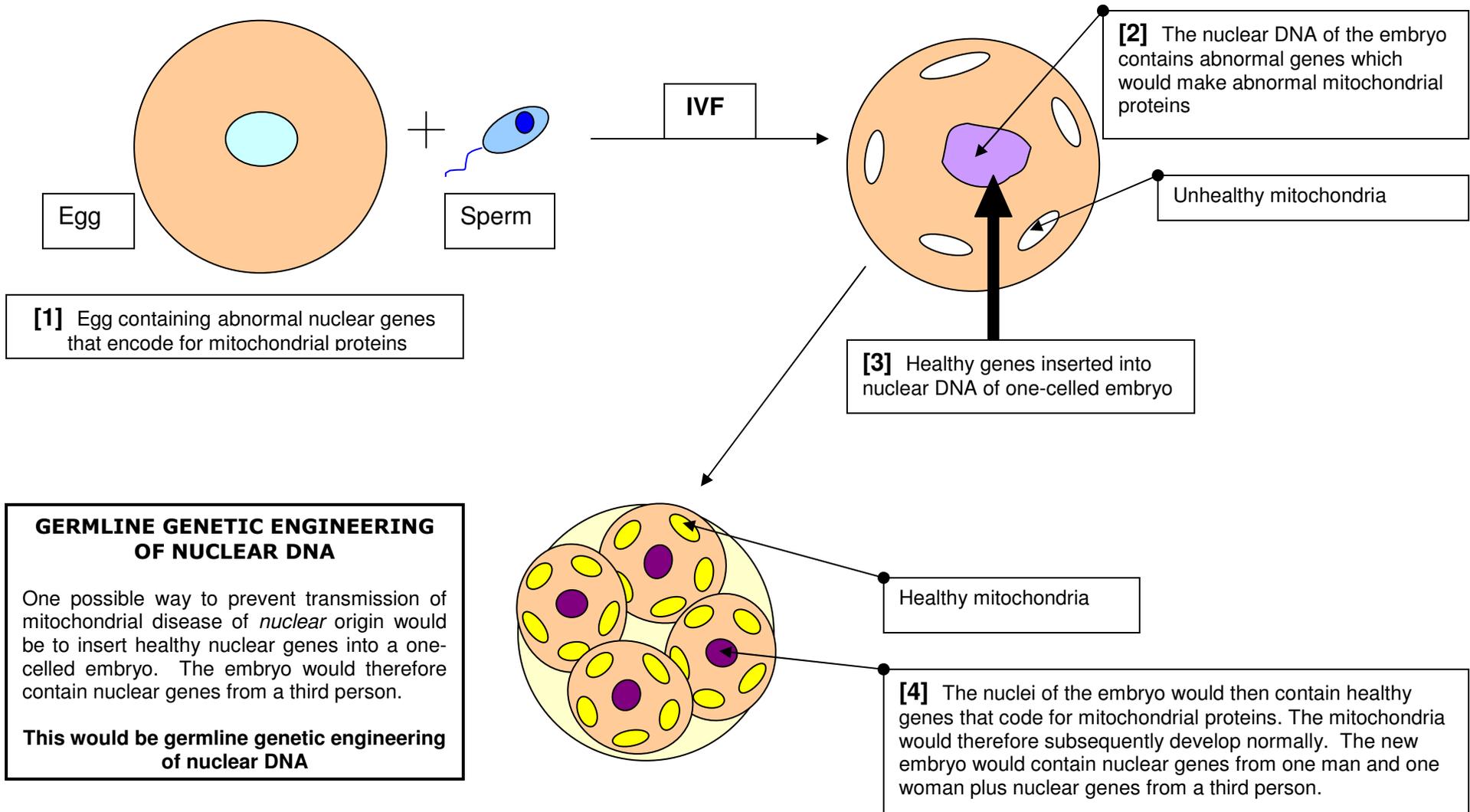


DIAGRAM 2
3ZA(5): GERMLINE GENETIC ENGINEERING OF NUCLEAR DNA – LOOPHOLE

MITOCHONDRIAL DISEASE OF NUCLEAR ORIGIN

One possible type of 'permitted' embryo to prevent transmission of mitochondrial disease of *nuclear* origin: **GERMLINE GENETIC ENGINEERING OF NUCLEAR DNA**



GERMLINE GENETIC ENGINEERING OF NUCLEAR DNA

One possible way to prevent transmission of mitochondrial disease of *nuclear* origin would be to insert healthy nuclear genes into a one-celled embryo. The embryo would therefore contain nuclear genes from a third person.

This would be germline genetic engineering of nuclear DNA