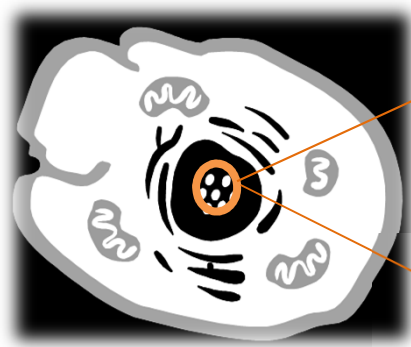
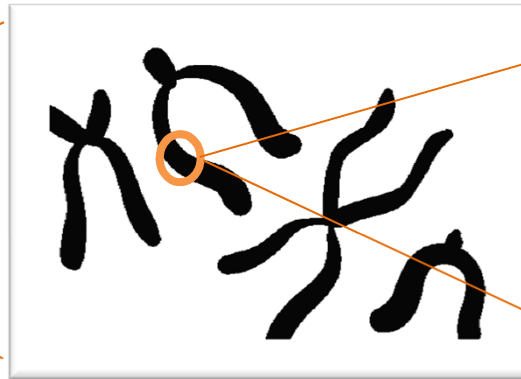


DNA, genes and cancer



cell



chromosomes

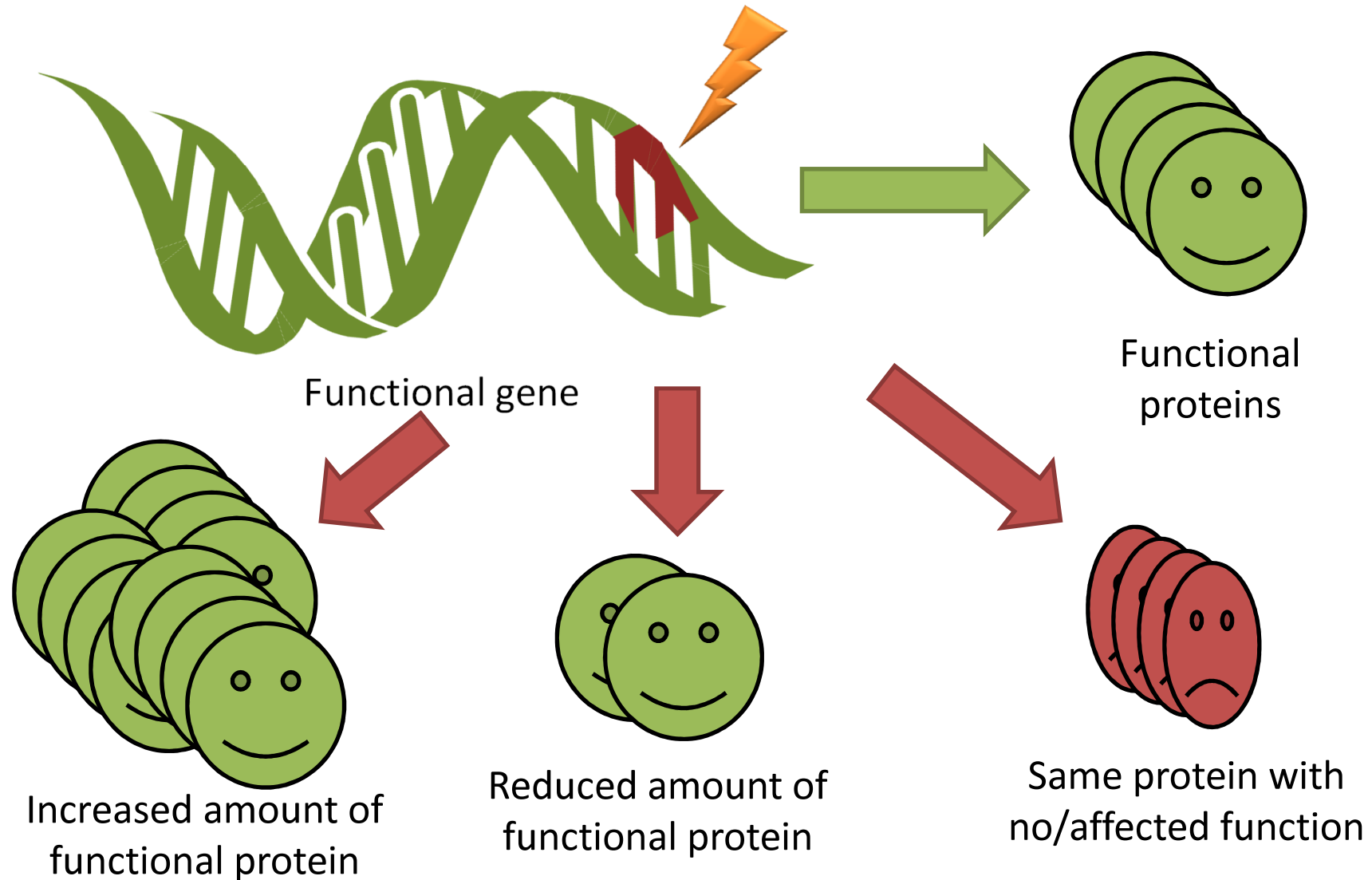


DNA

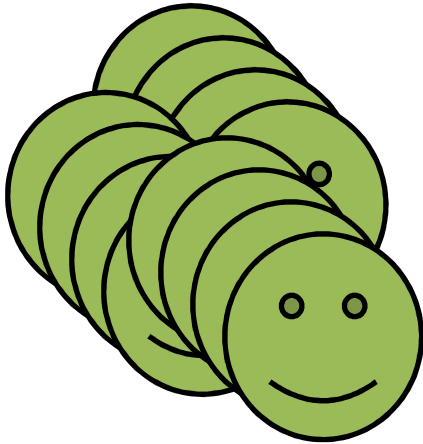


Functional segment of DNA = gene

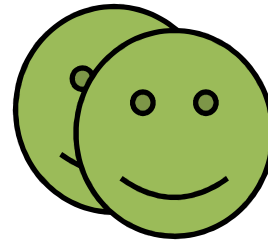
DNA, genes and cancer



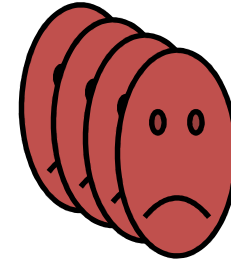
DNA, genes and cancer



Over-expression
of
'cancer-causing' genes
(oncogenes)



Under-expression
of
'cancer-stopping' genes
(tumour suppressor genes)



Malfunction
of
DNA repair genes

**increase the likelihood of
developing CANCER**