

## Higher Human Biology: list of possible investigations for assignments

The examples are based on assignments previously submitted by candidates. These are suggested investigations only, so the list is not exhaustive or prescriptive.

Investigation	Possible independent variable
Inducing mutation using ultra-violet radiation and UV sensitive yeast	Type of sunscreen Protection factor of sunscreen Time of exposure
Enzymes	Substrate concentration Enzyme concentration Inhibitor concentration Type of inhibitor (lead nitrate/lead ethanoate; copper sulphate/copper nitrate) End-product concentration
Measuring respiration in yeast, for example using resazurin dye	Type of sugar Concentration of glucose Concentration of yeast
Studying the serial position effect, for example using word lists	Position of word in list Effect of a distraction task Time of recall (varying delays)