

## Higher 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.

<b>Investigation</b>	<b>Possible independent variable</b>
Inducing mutation using ultra-violet radiation and UV sensitive yeast	Type of sunscreen Protection factor of sunscreen Time of exposure
Enzymes (for example catalase)	Substrate concentration Enzyme concentration Inhibitor concentration (lead nitrate/lead ethanoate; copper sulphate/copper nitrate)
Enzymes (for example phosphatase)	End product concentration
Measuring respiration in yeast — dehydrogenase activity (resazurin)	Type of substrate Concentration of substrate Concentration of yeast
Photosynthesis (immobilised algal beads)	Wavelength of light