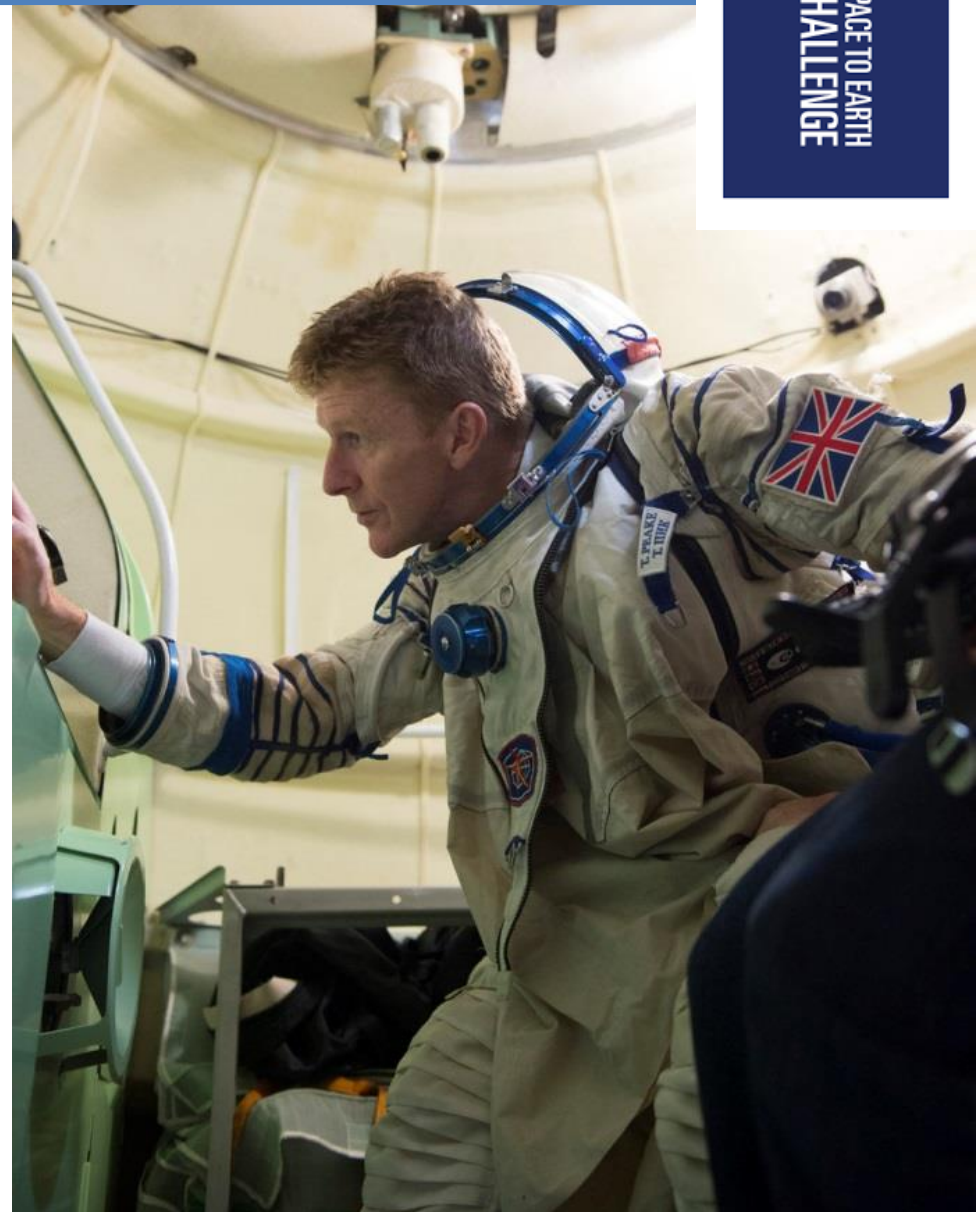
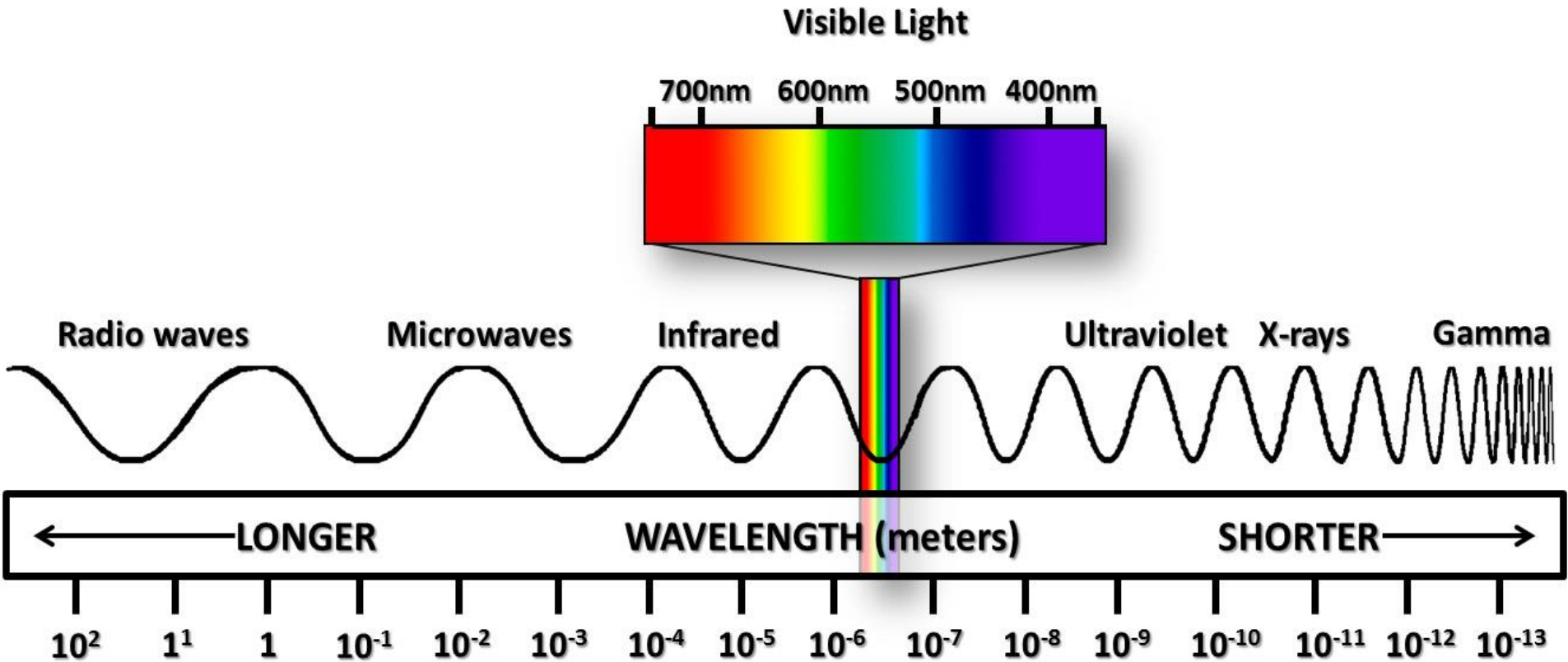


# Project 1 – Exposure to UV radiation



European Space Agency





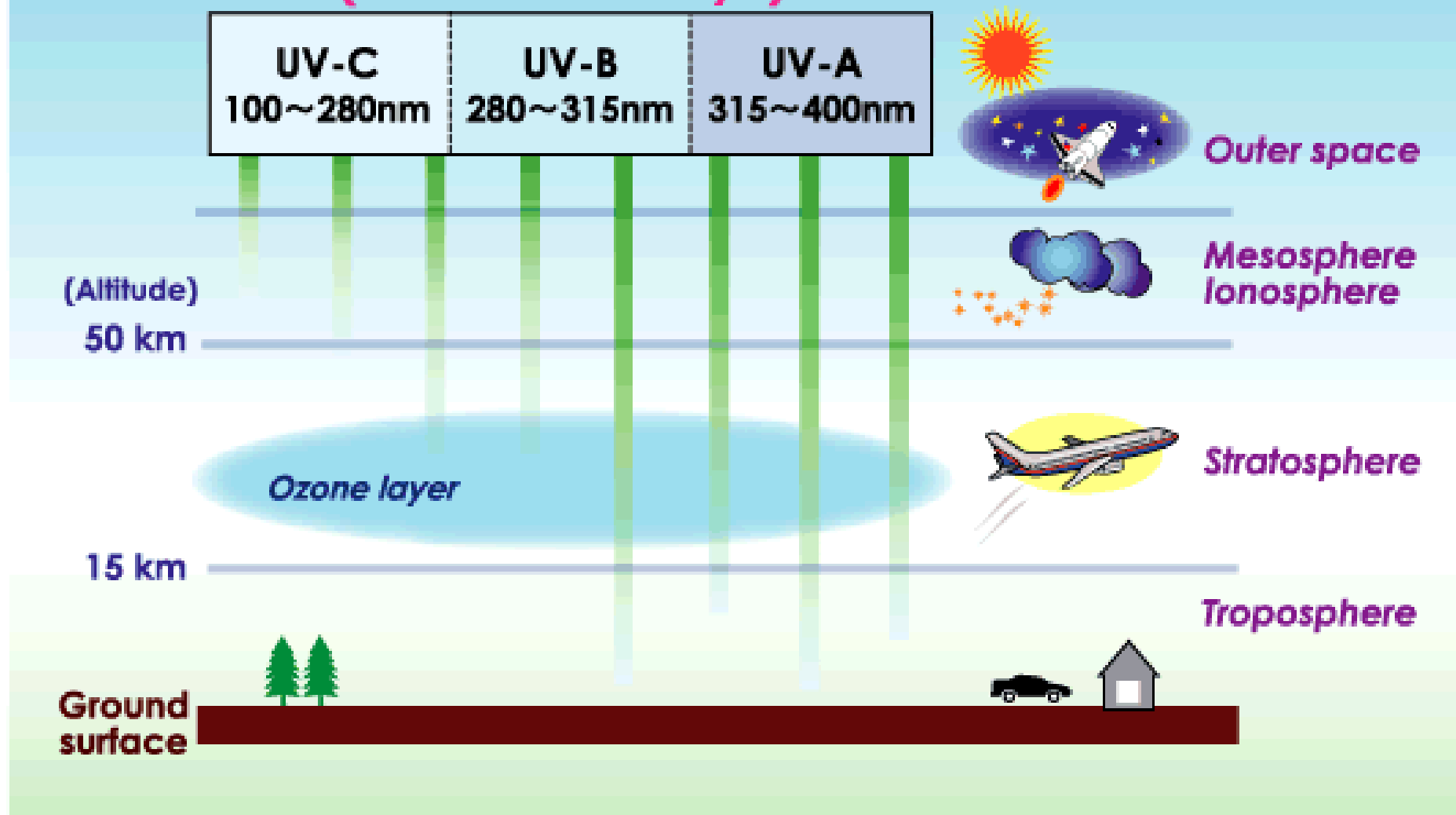
## The electromagnetic spectrum

<http://www.ces.fau.edu/nasa/module-2/radiation-sun.php>

Credit: Climate Science Investigation: NASA

# (Ultraviolet rays)

UV-C	UV-B	UV-A
100~280nm	280~315nm	315~400nm



**Penetration of UV light through the Earth's atmosphere.**

Taken from: the Ozone Hole: <http://www.theozonhole.com/>

Credit: Center for Global Environmental Research, National Institute for Environmental Studies Japan



**Space bookmarks and bracelet with UV beads**

Photo credit: Helen Mason



**Birds of prey can see the urine (wee!) tracks of small mammals, like mice in ultraviolet light. This helps them catch them.**

Photo: Helen Mason



**Selfie, Scott Kelly and Kjell Lindgren on a space walk, November 2015**

Photo credit: NASA/ESA