



EFFECT OF IONIZING RADIATION ON DIFFERENT MATERIALS



TECHRISE	SCHOOL: MAHARISHI SCHOOL
TECHRISE	LOCATION: FAIRFIELD, IA
TECHRISE	FLIGHT PROVIDER: WORLD VIEW
TECHRISE	GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment aims to measure ionizing radiation levels from the Earth’s surface up to the stratosphere and test how different materials react under the influence of ionizing radiation. We hypothesize that lead will record the lowest levels of ionizing radiation, as radiation levels increase with altitude. Our inspiration for this stems from the abundance of radiation in space, its effects on humans, and the risk it poses towards human survival in environments beyond Earth’s atmosphere.